

**Fig. 1**

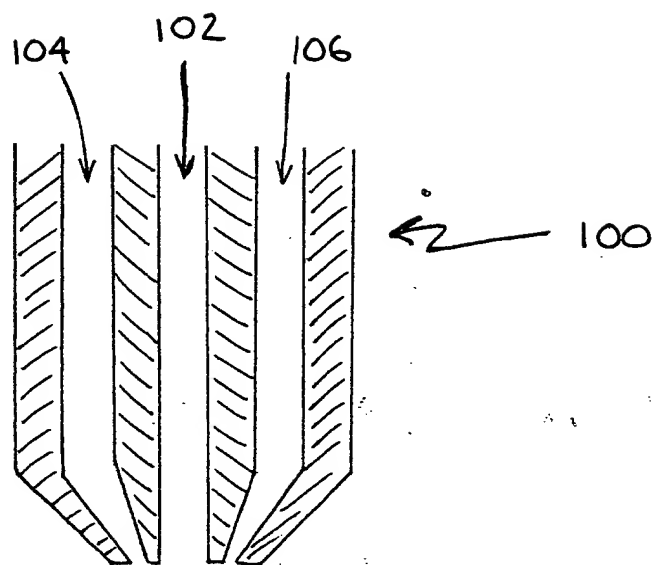


Fig. 2

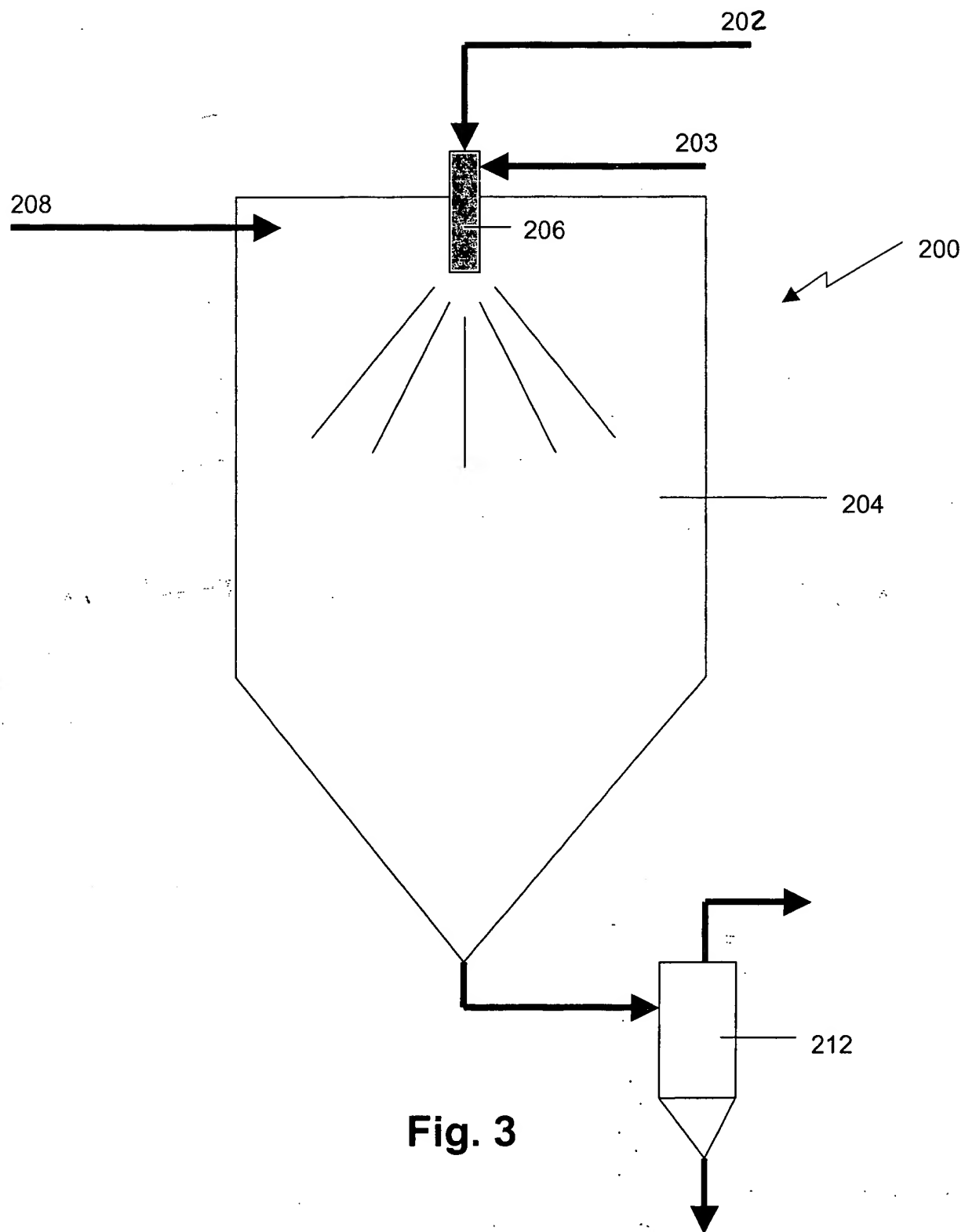
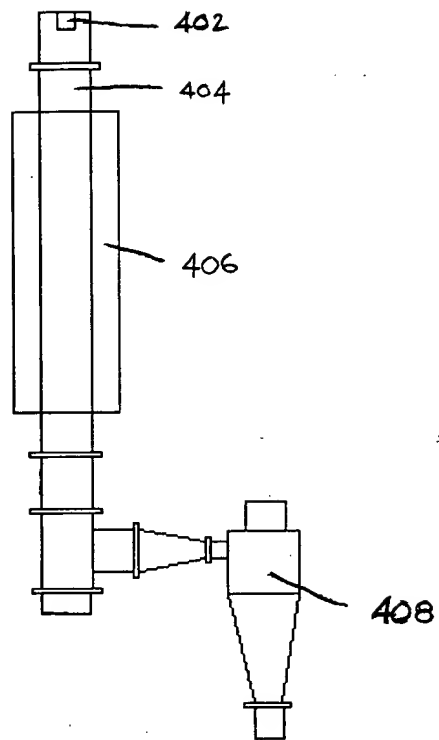


Fig. 3

FIG. 4



**Fig. 4**

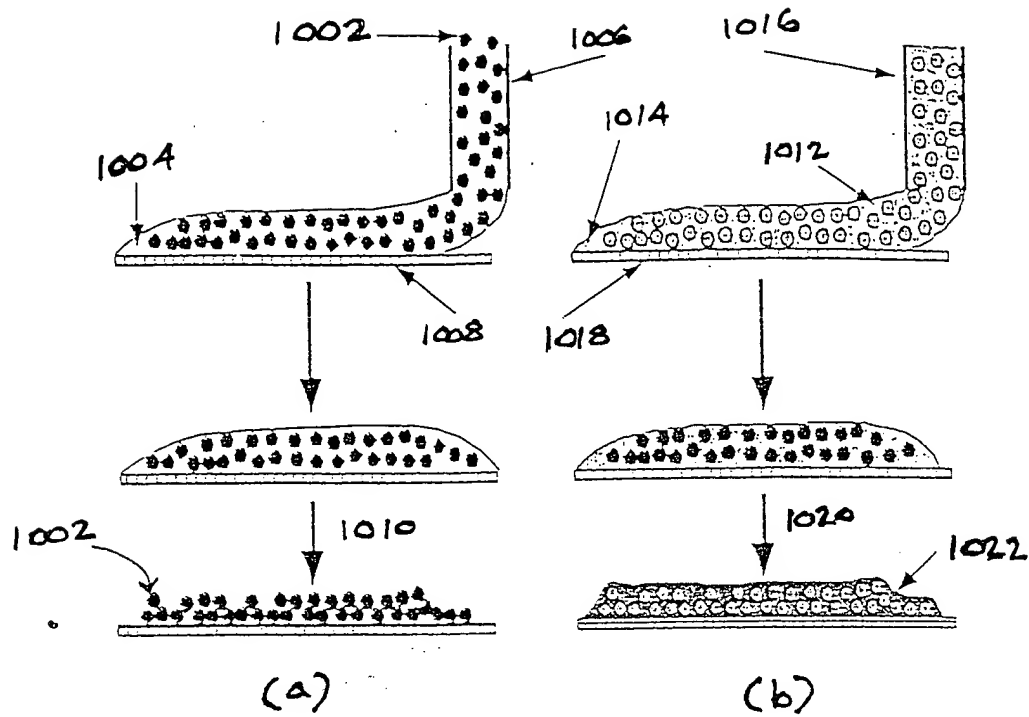


Fig. 5

FIG. 6

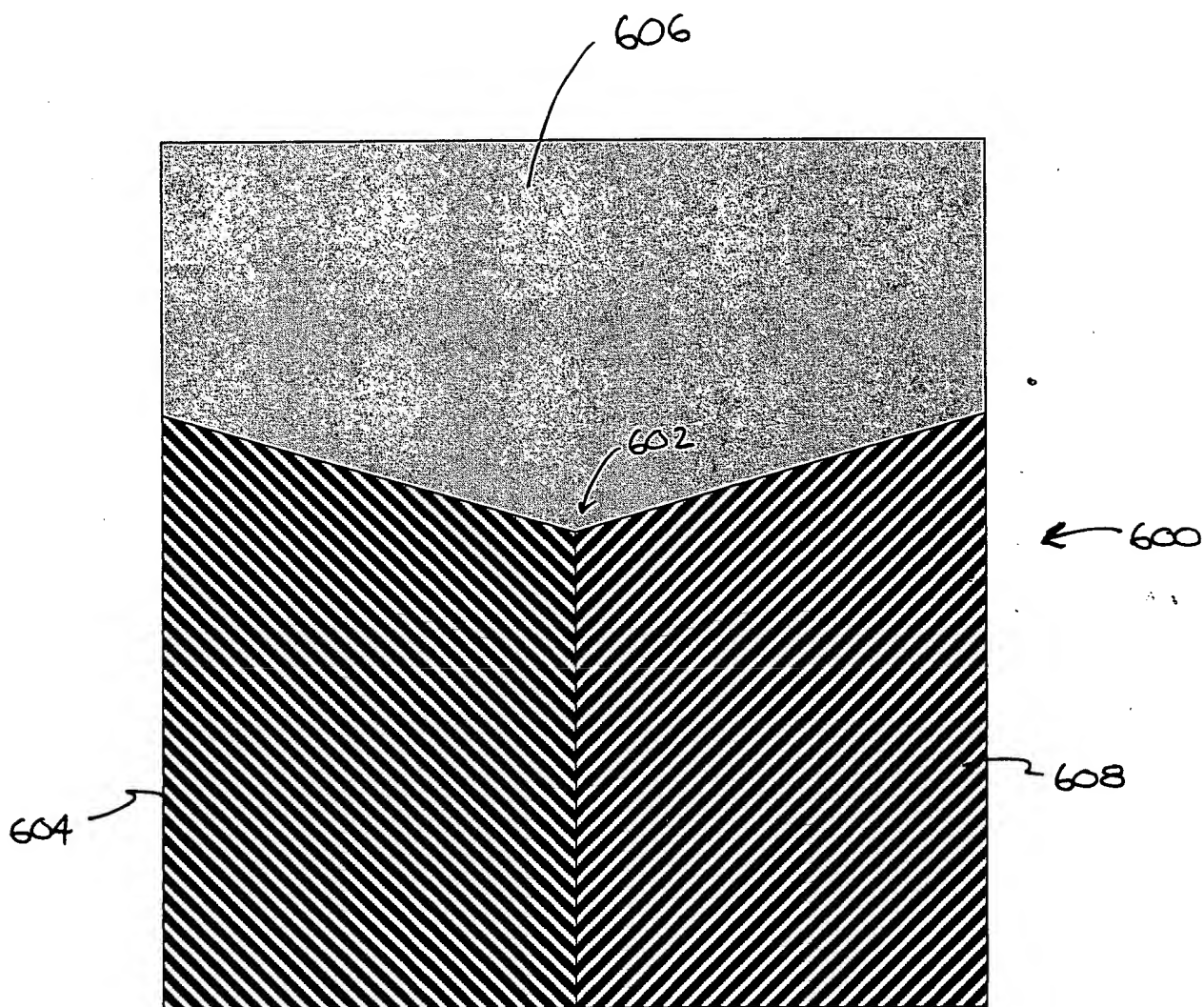
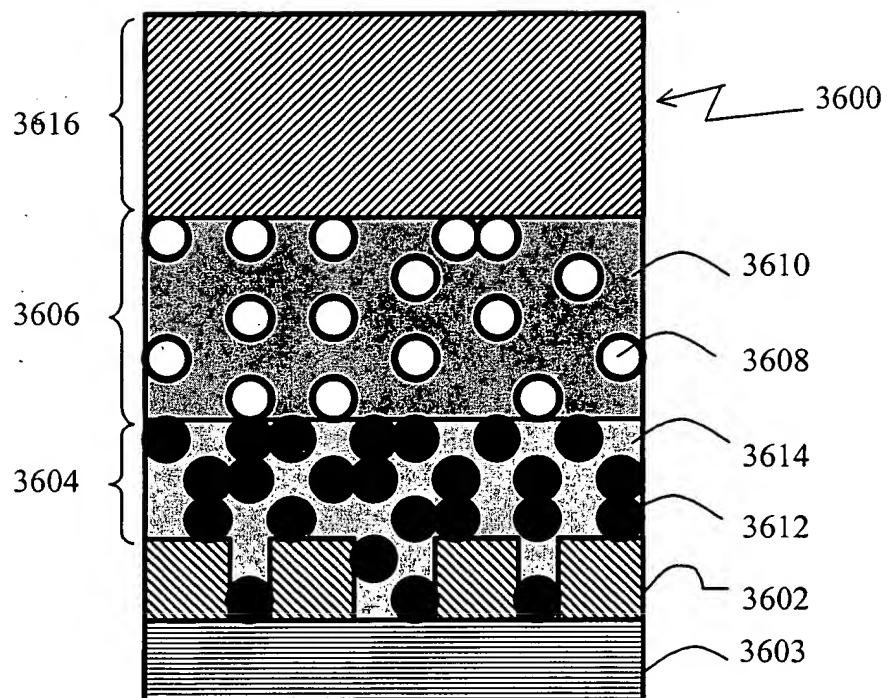


Fig. 6



**Fig. 7**

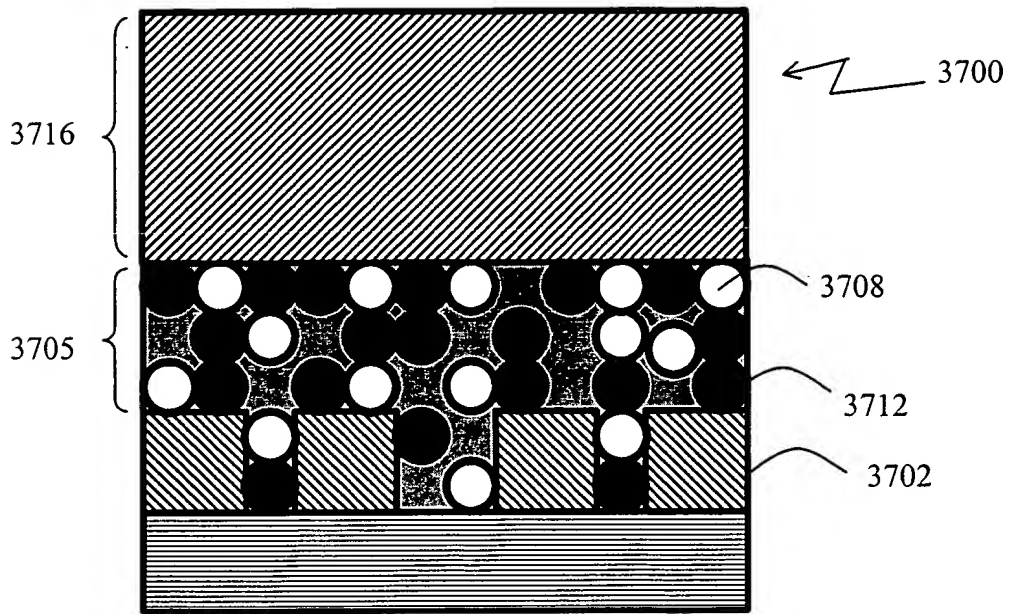


Fig. 8

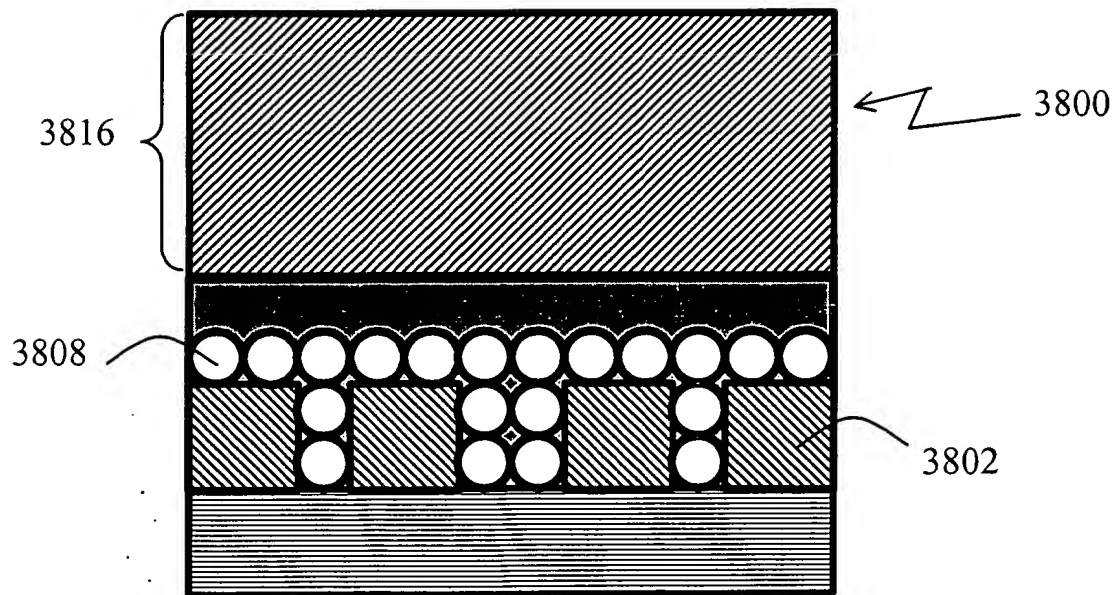


Fig. 9



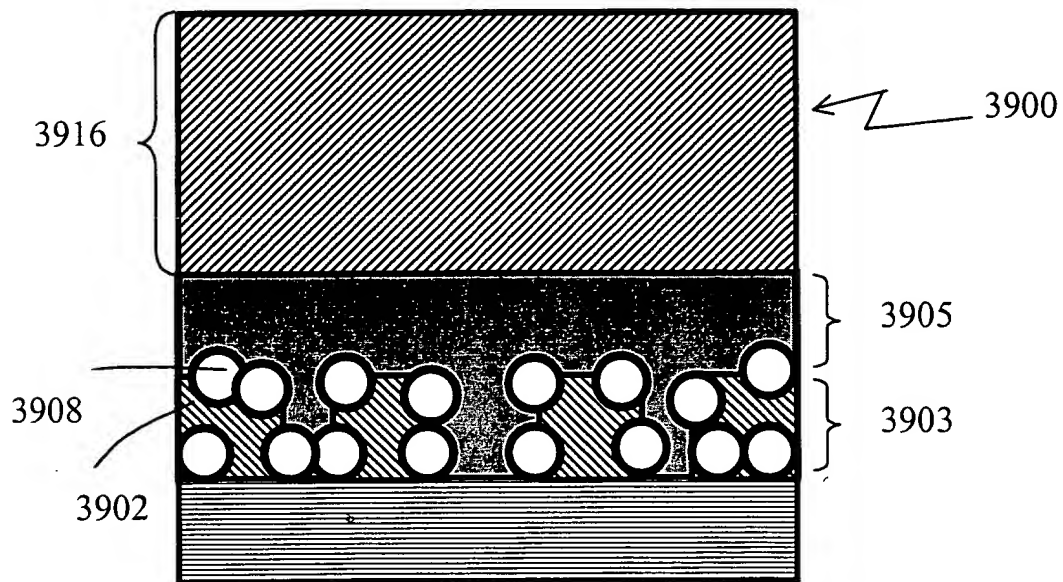


Fig. 10

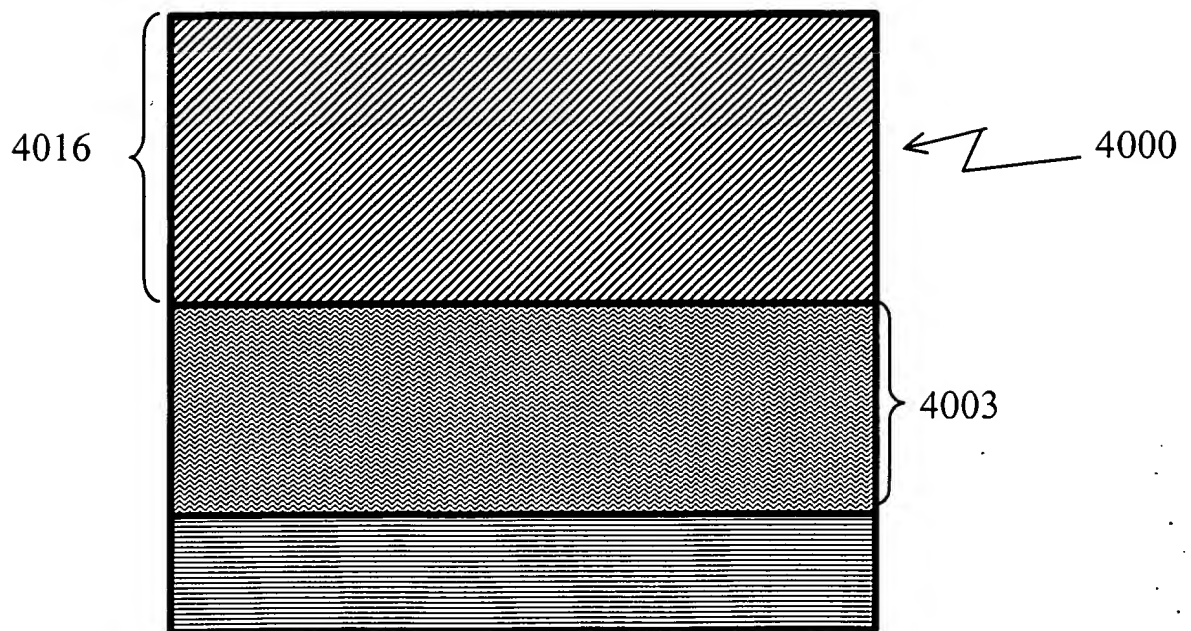


Fig. 11

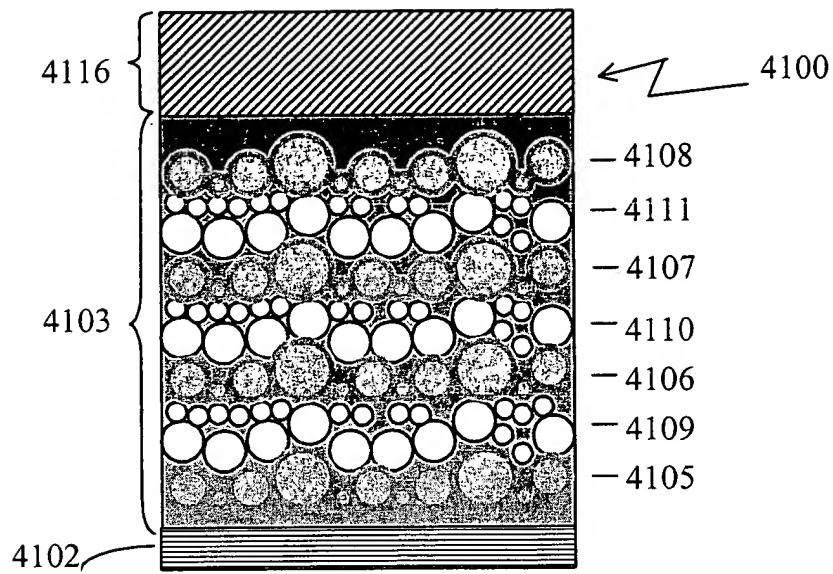


Fig. 12

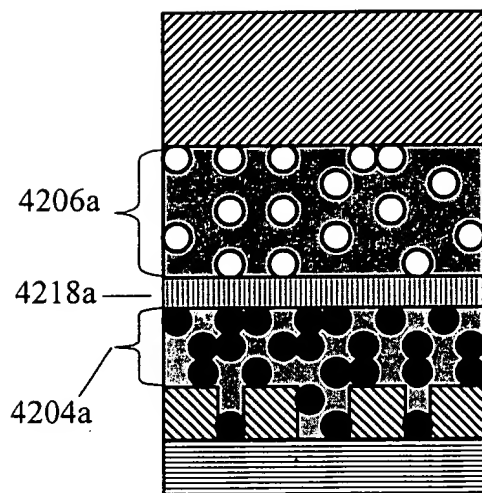


Fig. 13 (a)

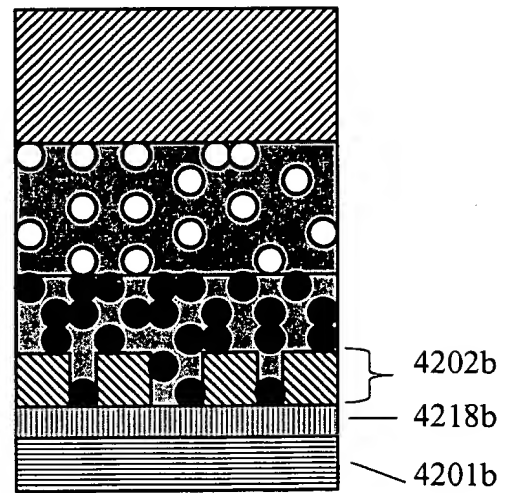


Fig. 13 (b)

The figure consists of two schematic diagrams, (a) and (b), of a three-electrode electrochemical cell. Both diagrams show a cross-section of the cell with three electrodes: a working electrode (502) on the left, a reference electrode (506) in the center, and a counter electrode (508) on the right. A supporting electrolyte (500) fills the cell. In diagram (a), labeled '(a)' at the bottom right, the working electrode (502) is marked with a negative sign '(-)' and the reference electrode (506) with a positive sign '(+)'. The counter electrode (508) is also marked with a positive sign '(+)'. In diagram (b), labeled '(b)' at the bottom right, the working electrode (502) is marked with a positive sign '(+)' and the reference electrode (506) with a negative sign '(-)'. The counter electrode (508) is also marked with a positive sign '(+)'. In diagram (b), the working electrode (502) is shown with a hatched layer representing deposited Zn. Arrows indicate the movement of ions:  $\text{OH}^-$  ions moving towards the working electrode and  $\text{Zn}^{2+}$  ions moving away from the working electrode.

(d)

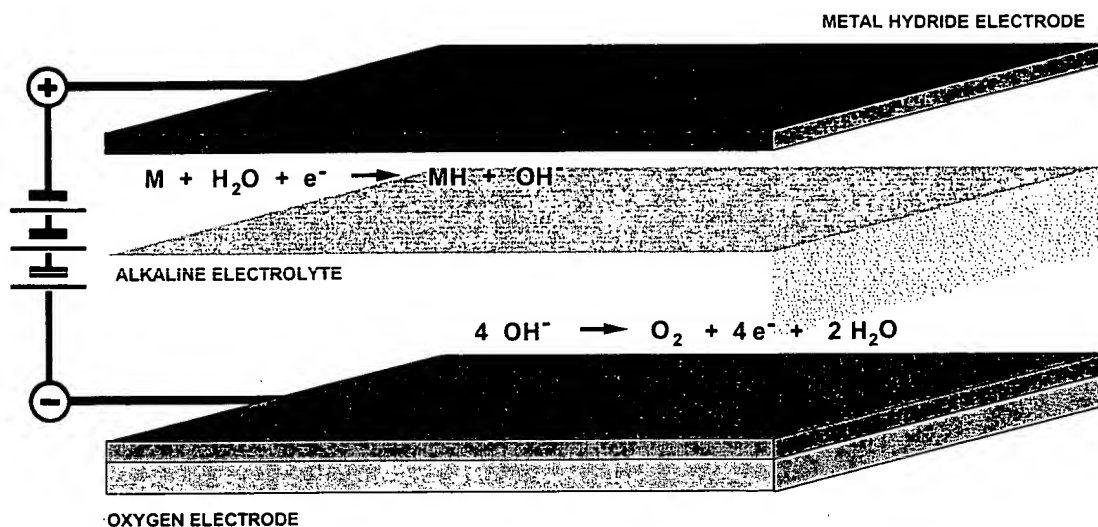


Fig. 15

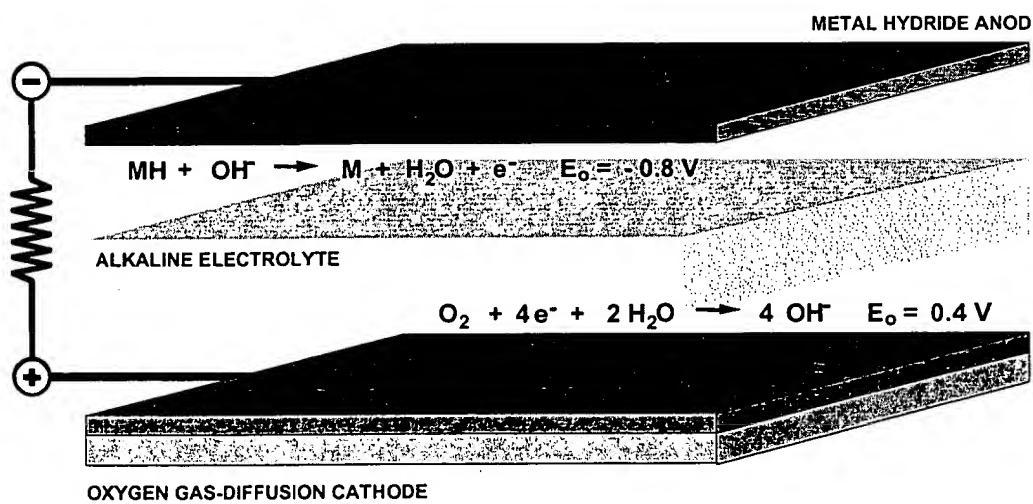


Fig. 16

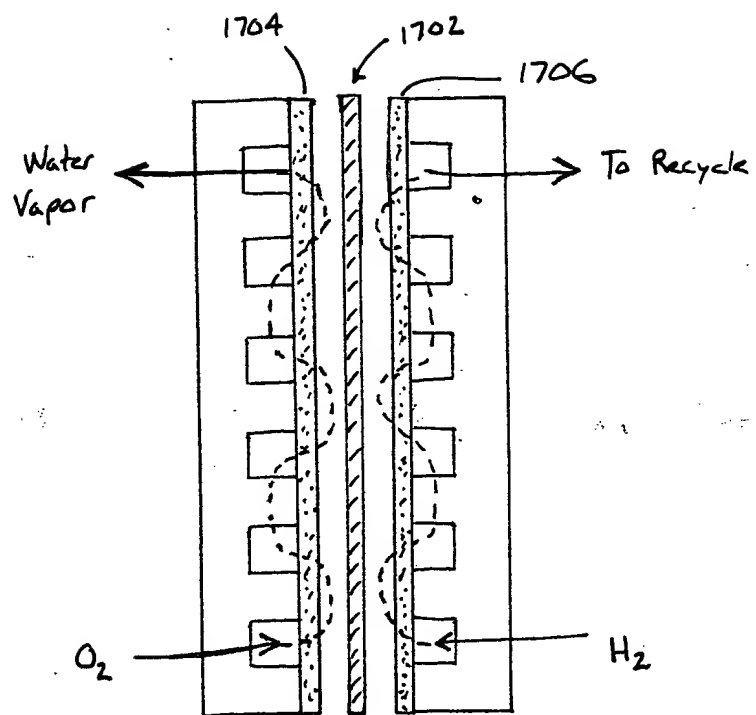


Fig. 17

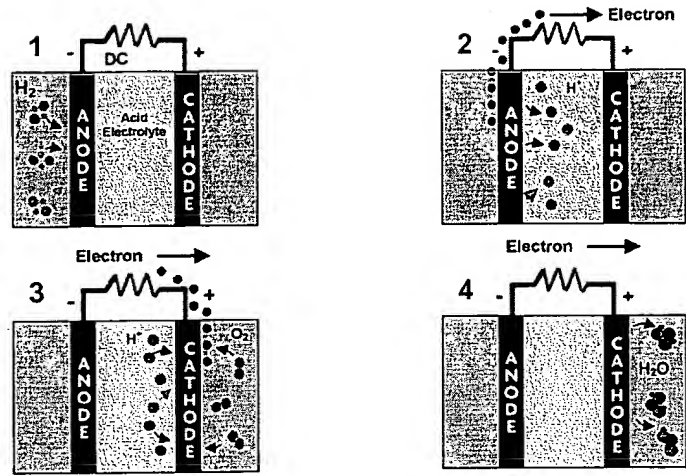


Fig. 18

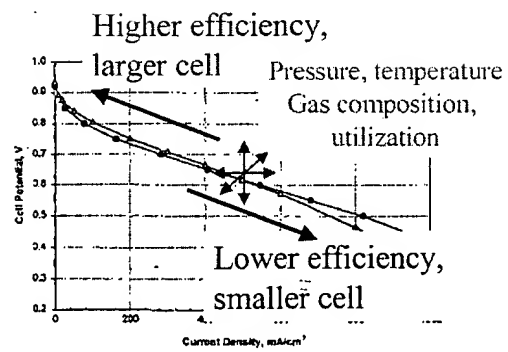
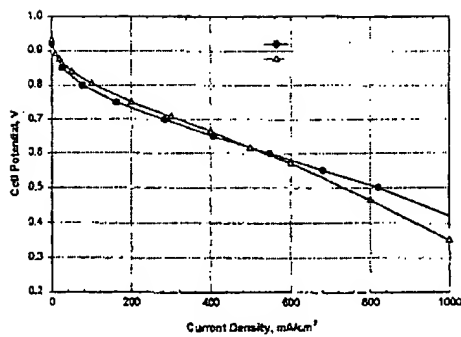


Fig. 19

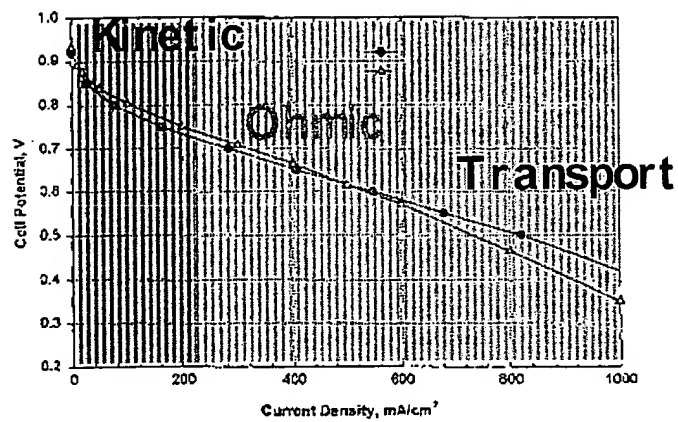


Fig. 20

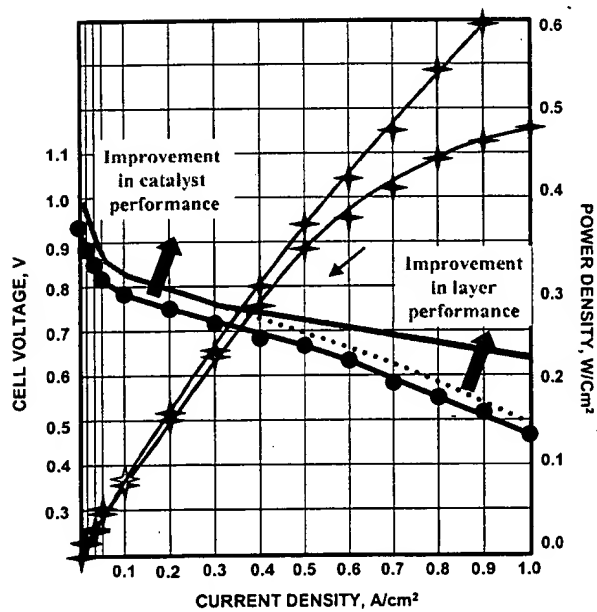
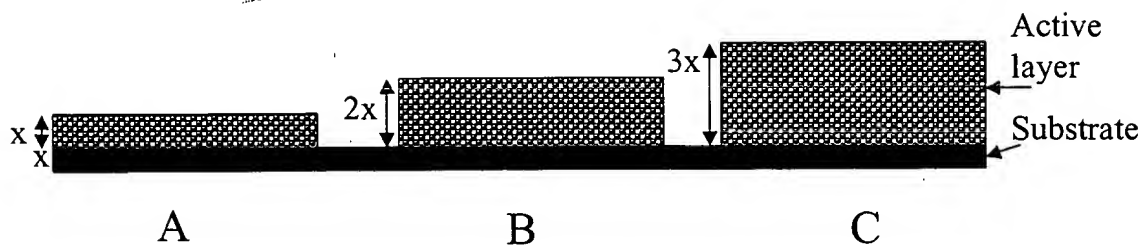
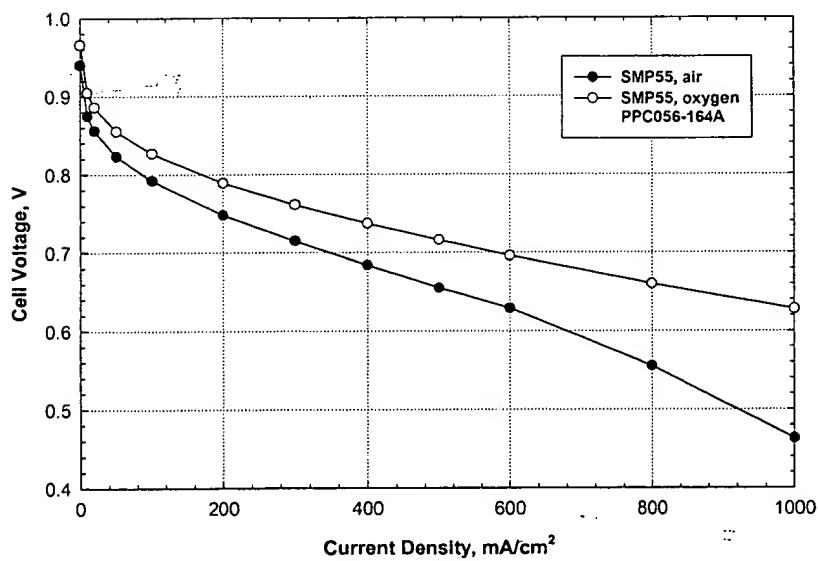


Fig. 21



**Fig. 22**



**Fig. 23**



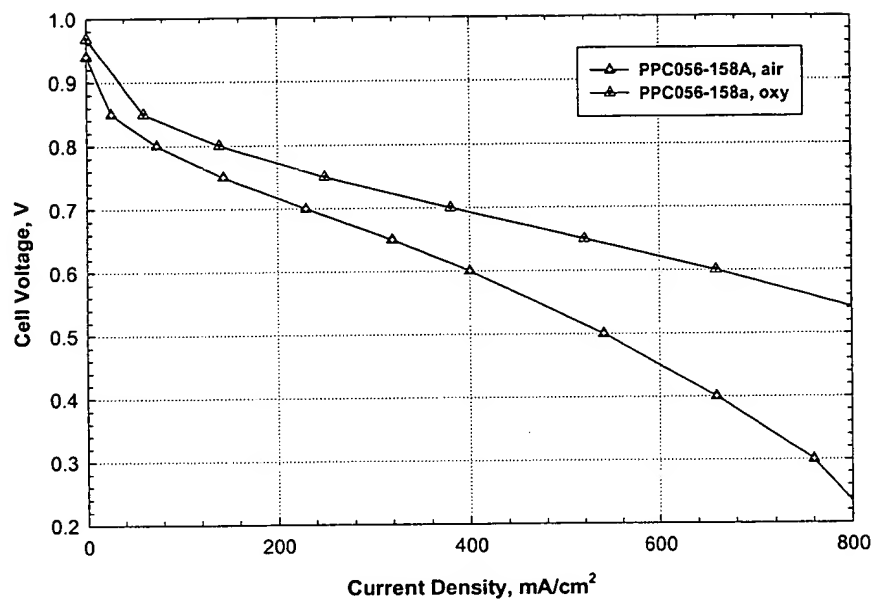


Fig. 24

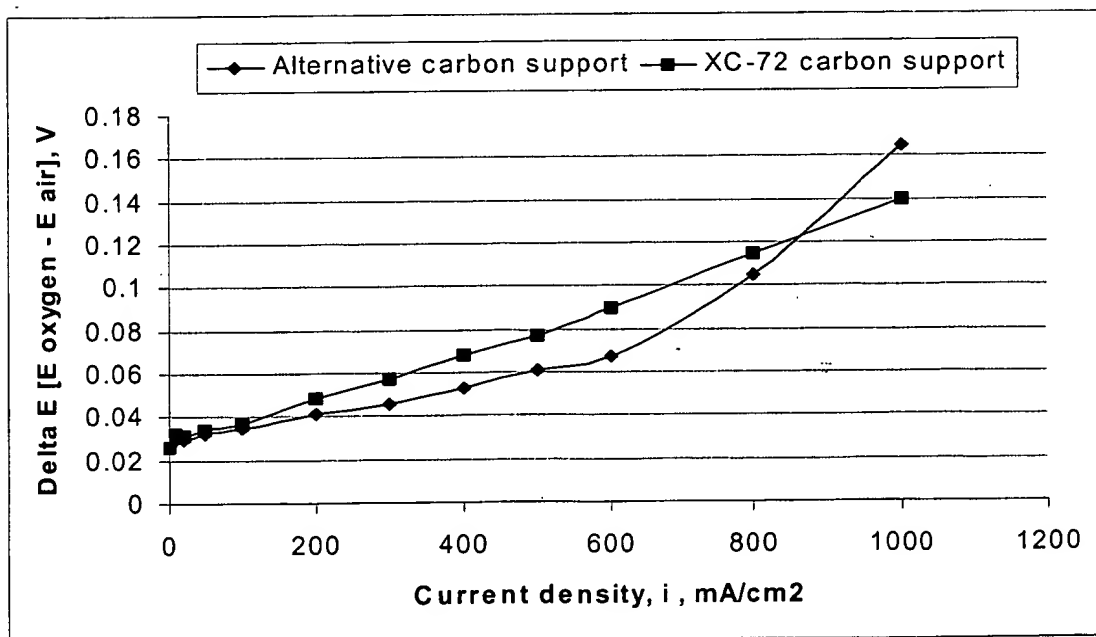


Fig. 25

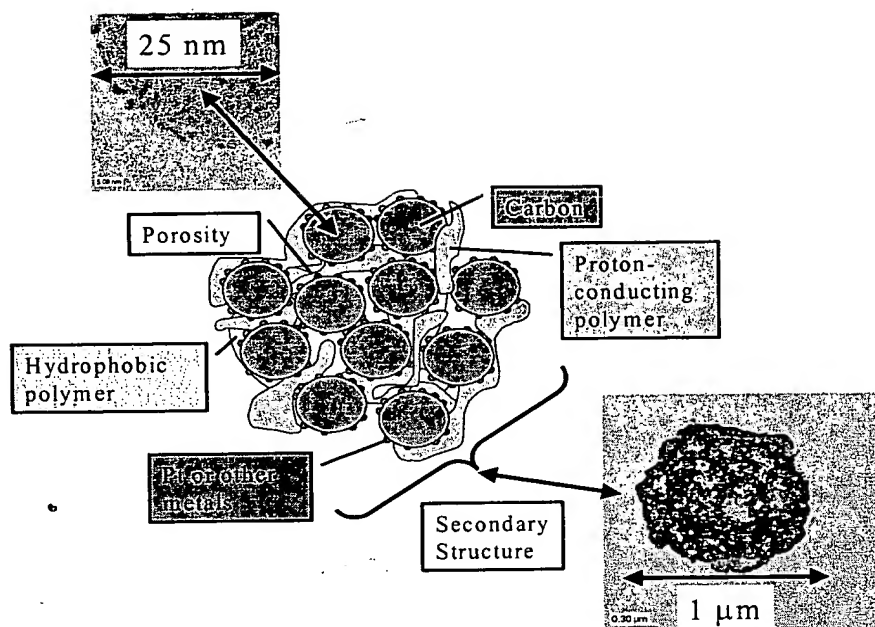


Fig. 26

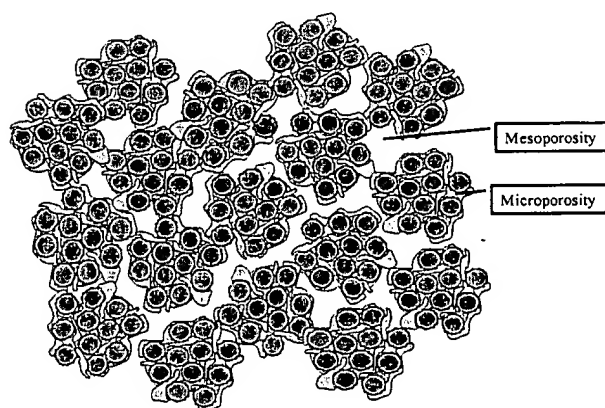


Fig. 27

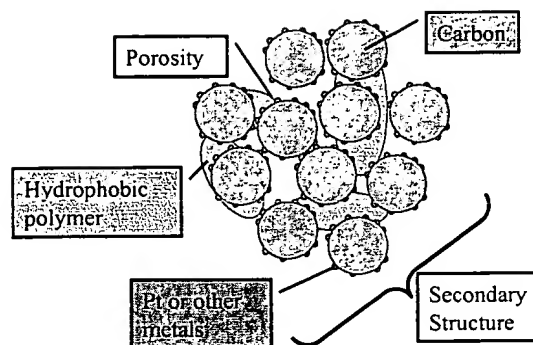


Fig. 28

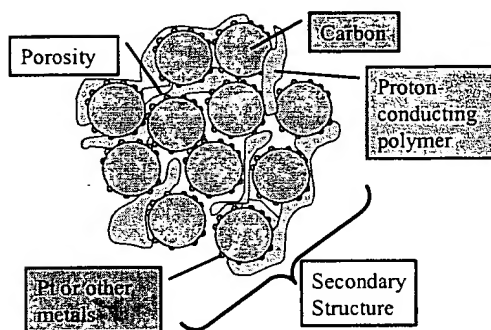


Fig. 29

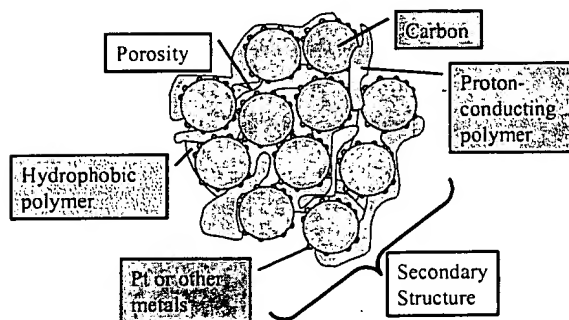
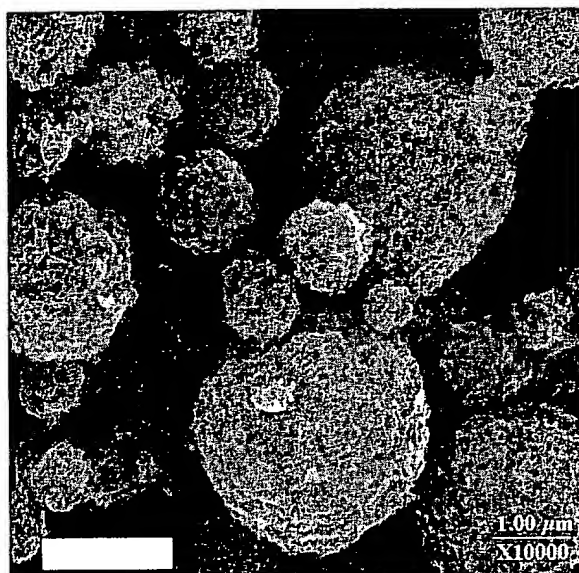


Fig. 30



**Fig. 31**

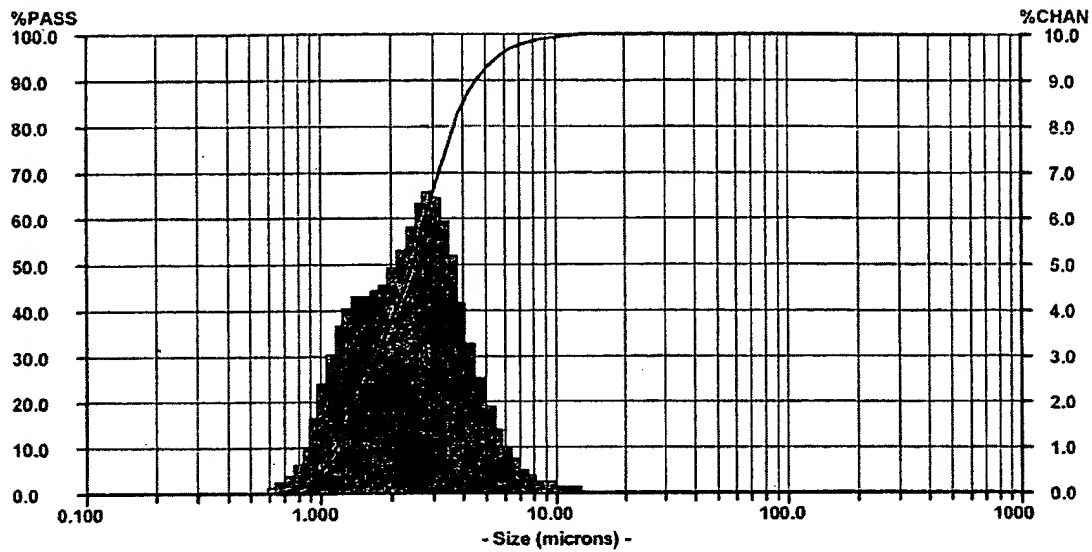


Fig. 32

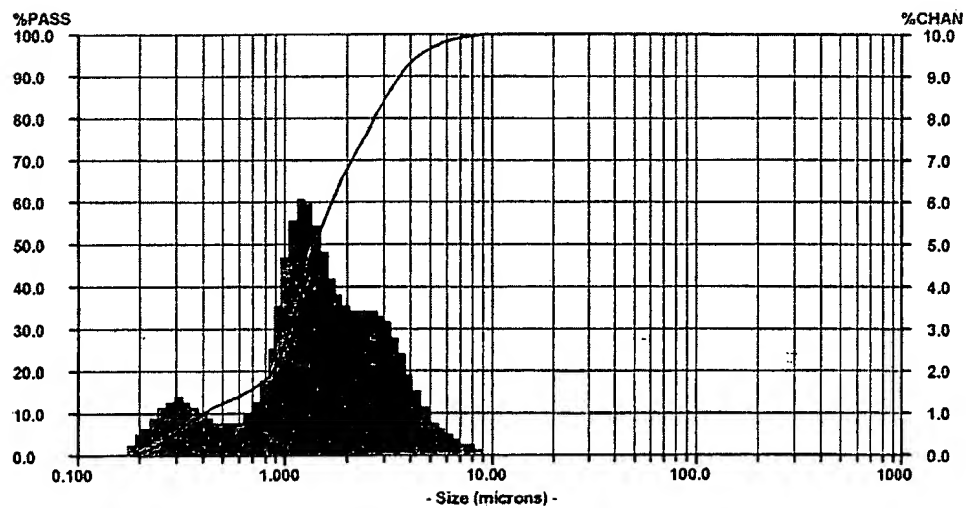
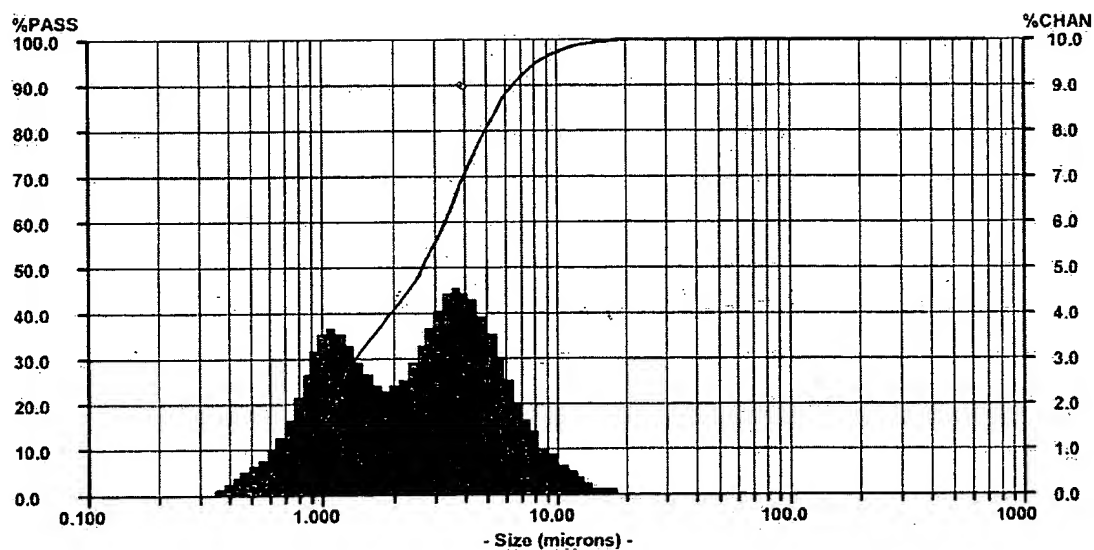
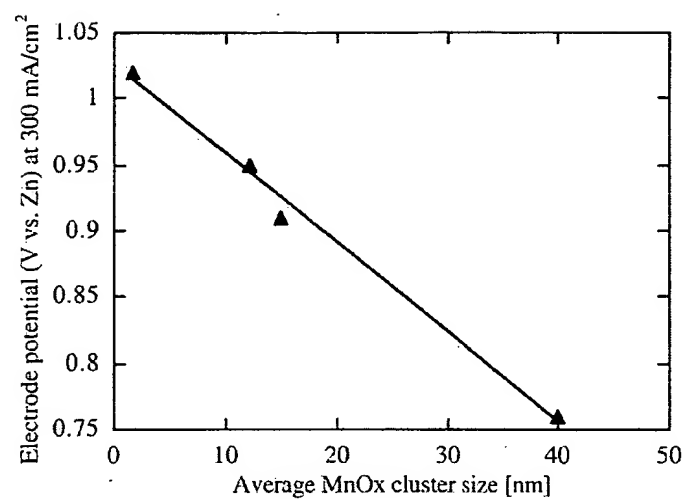


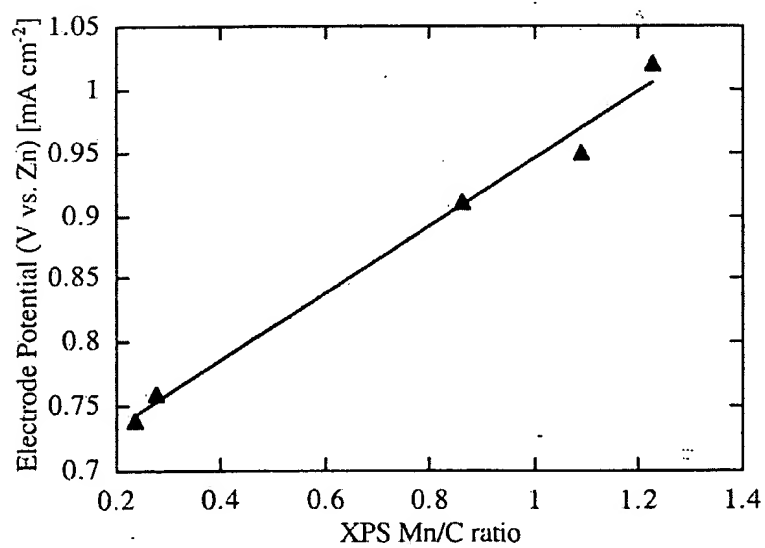
Fig. 33



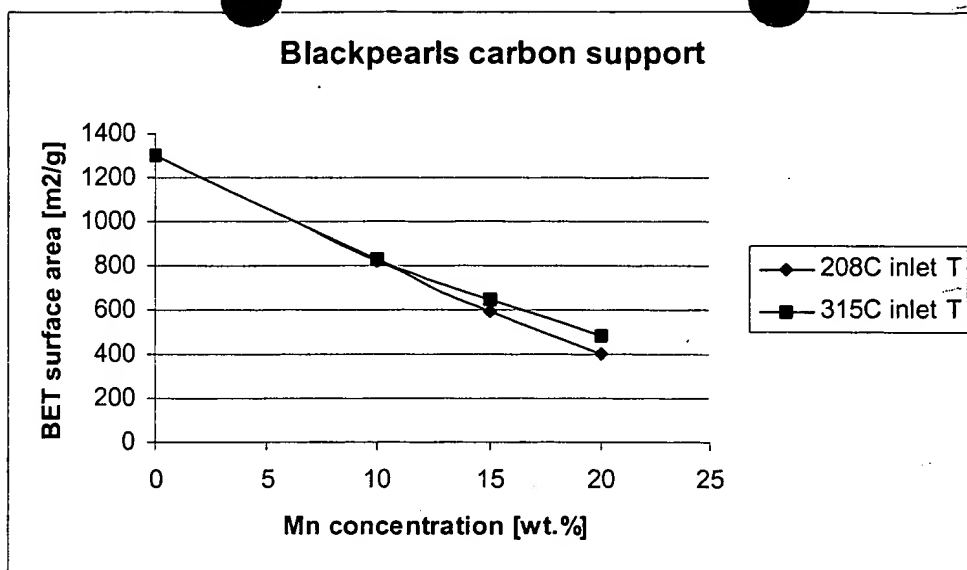
**Fig. 34**



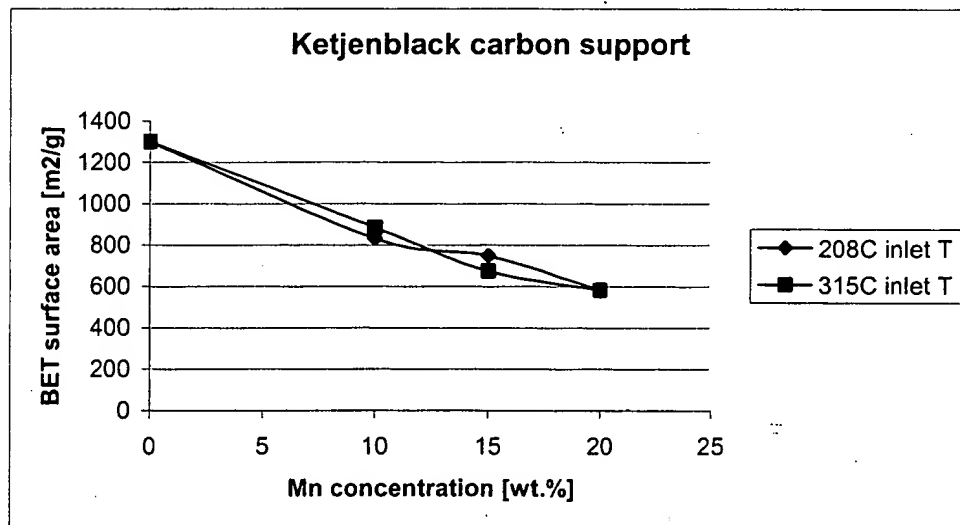
**Fig. 35**



**Fig. 36**

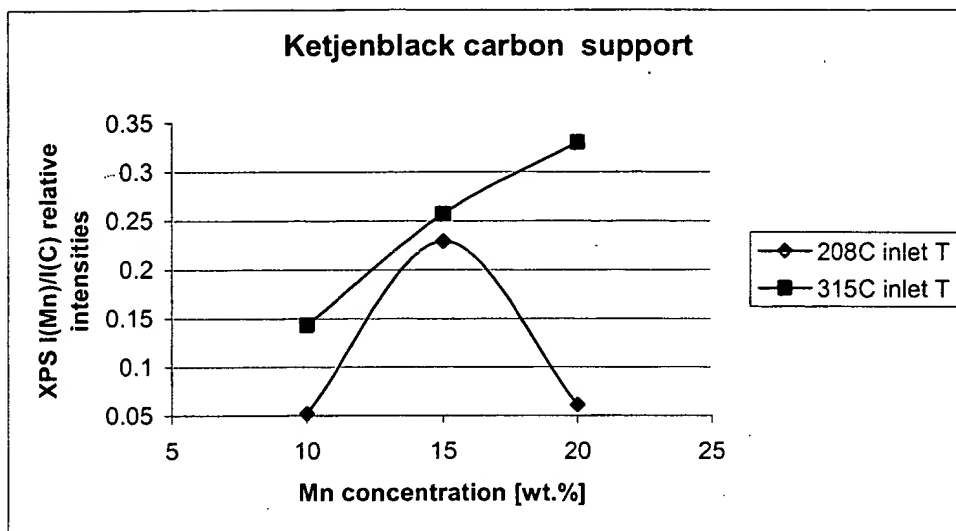


**Fig. 37**

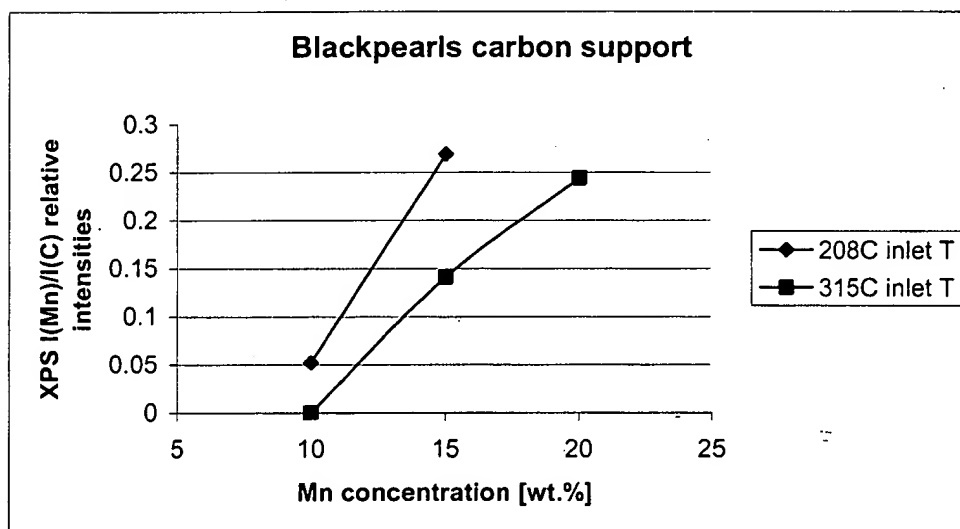


**Fig. 38**

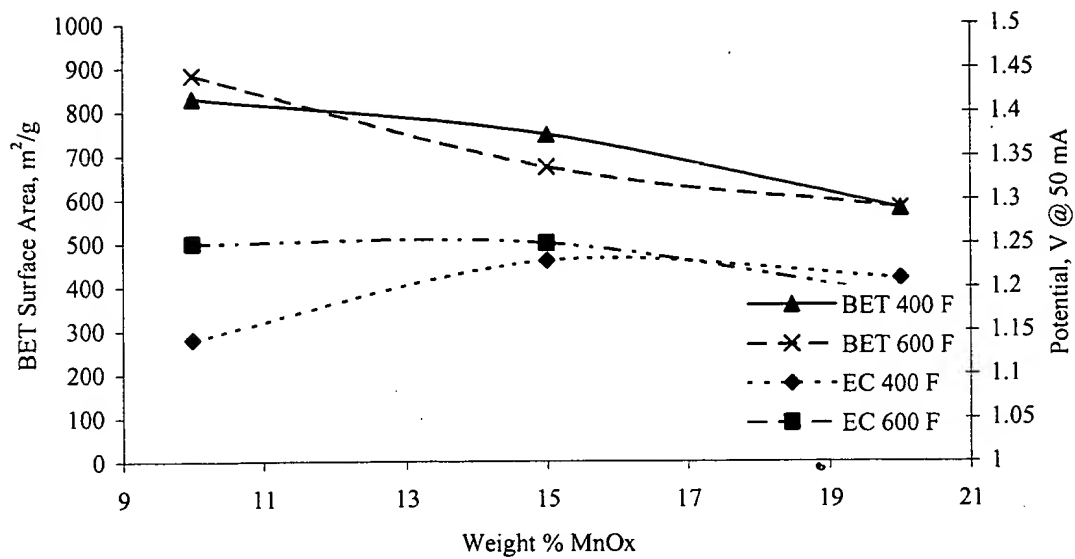




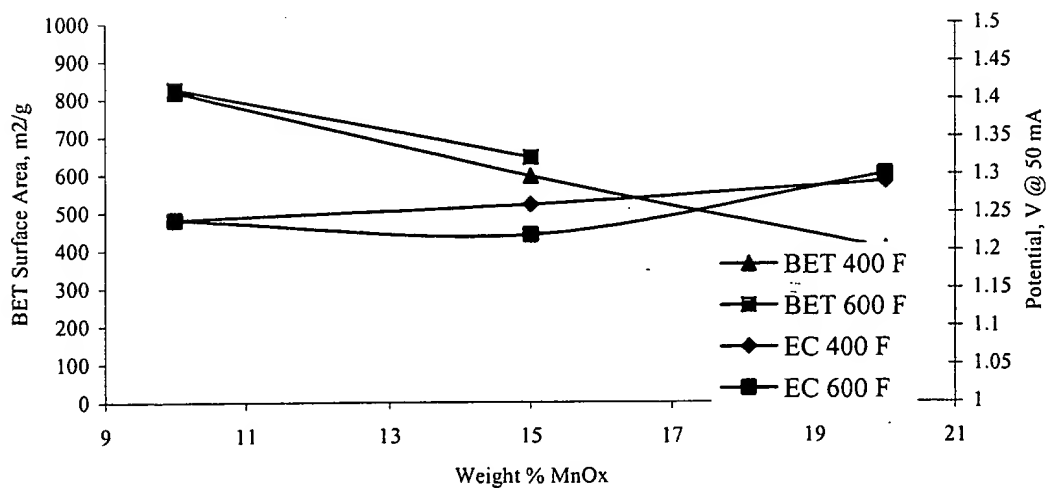
**Fig. 39**



**Fig. 40**



**Fig. 41**



**Fig. 42**

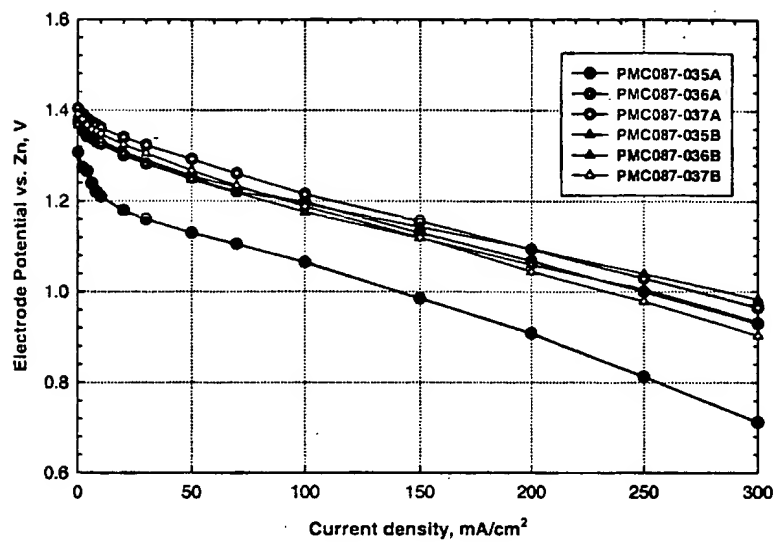


Fig. 43

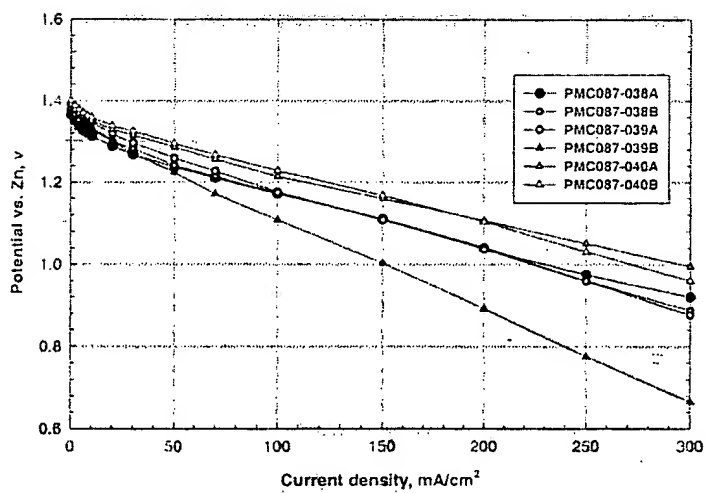


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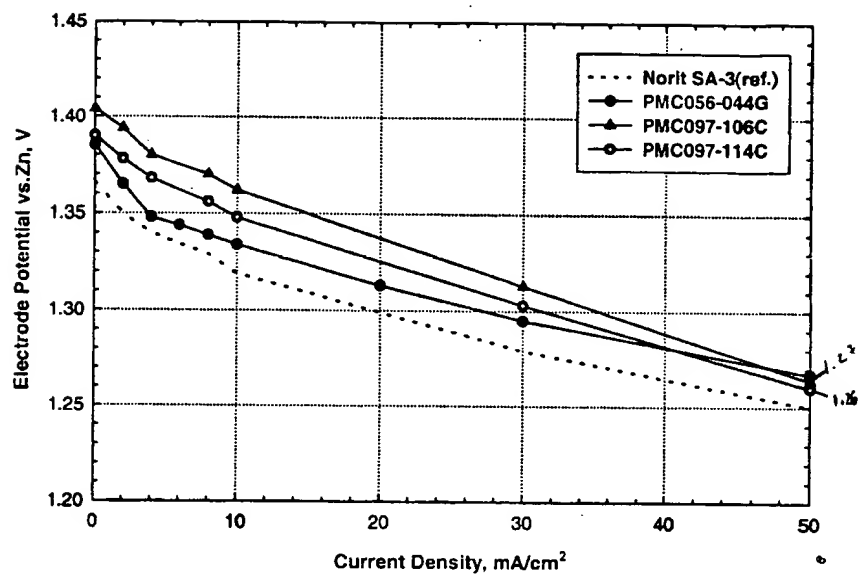


Fig. 45

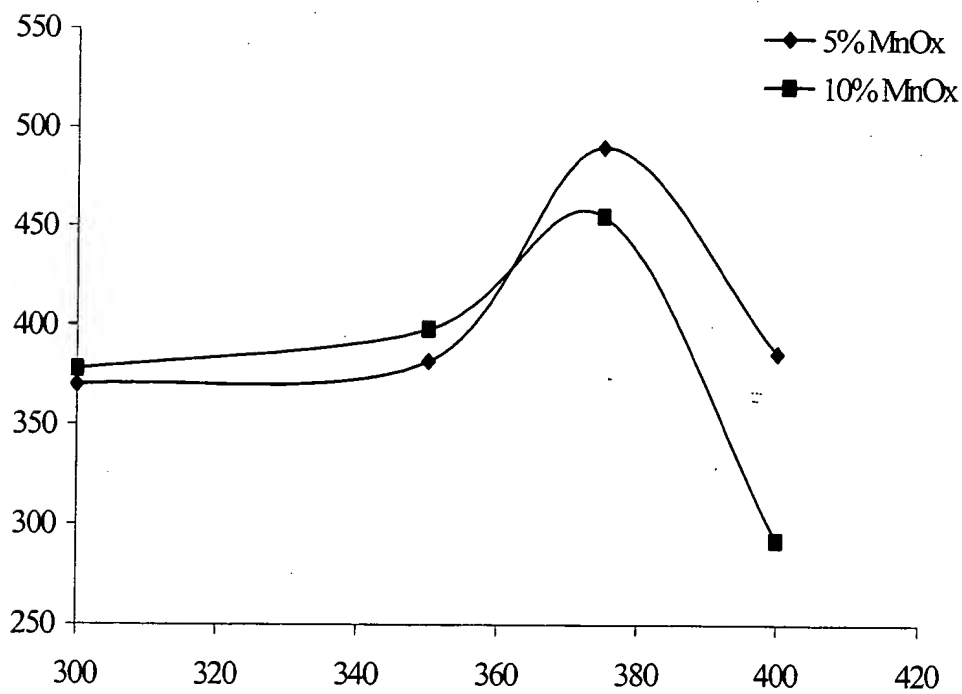


Fig. 46

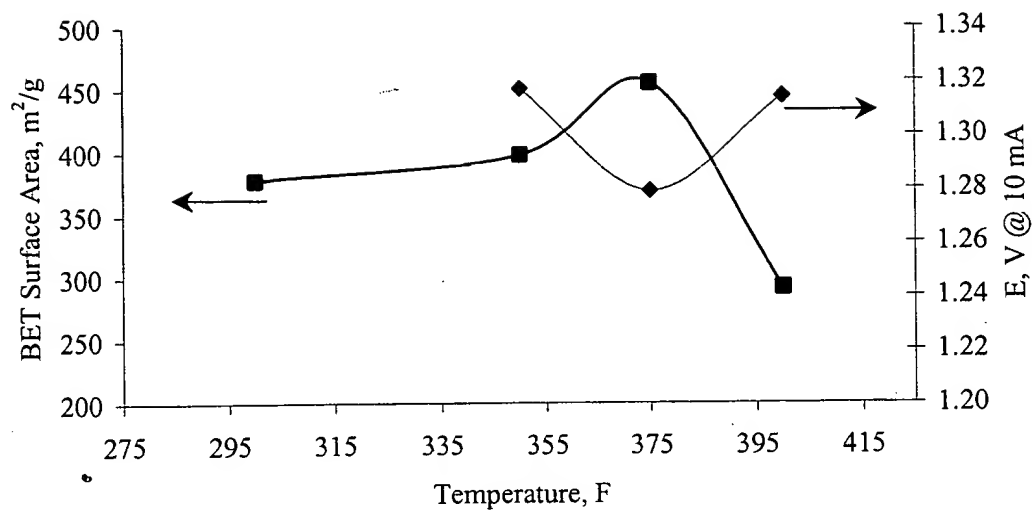


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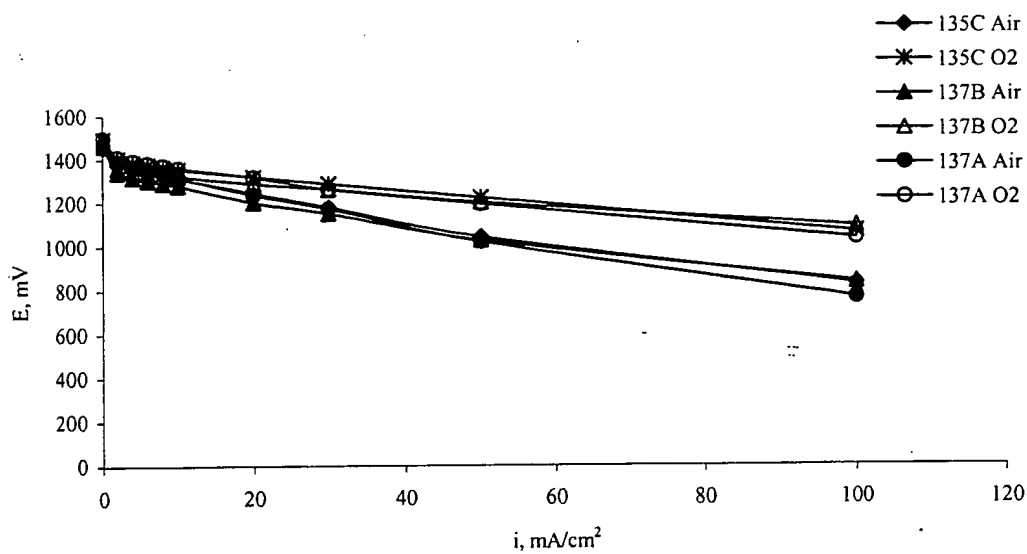


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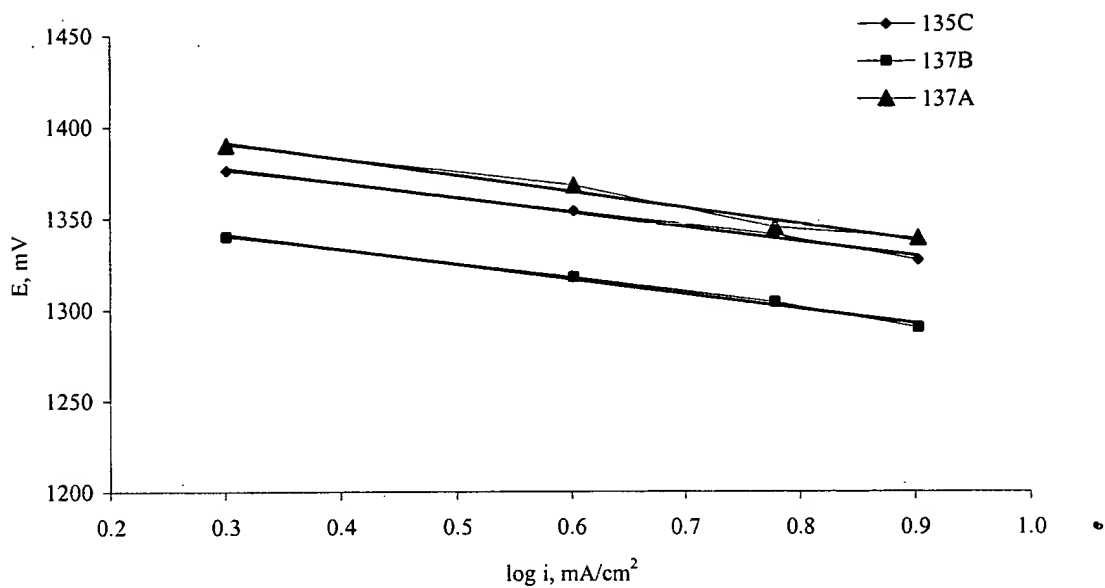


Fig. 49

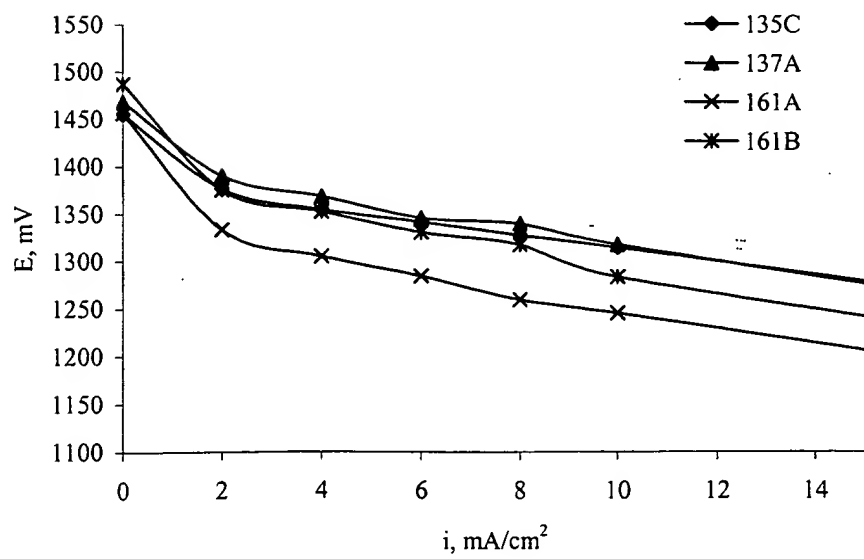


Fig. 50

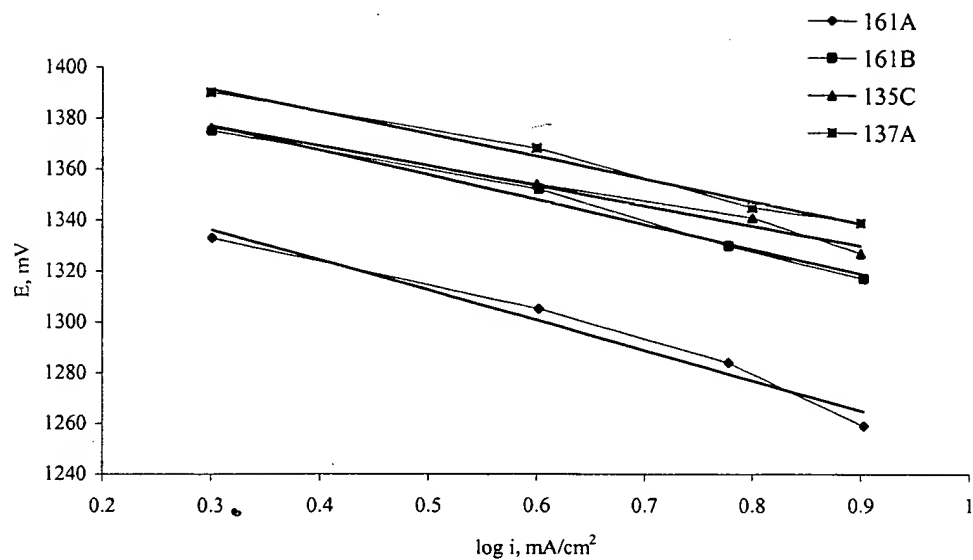


Fig. 51

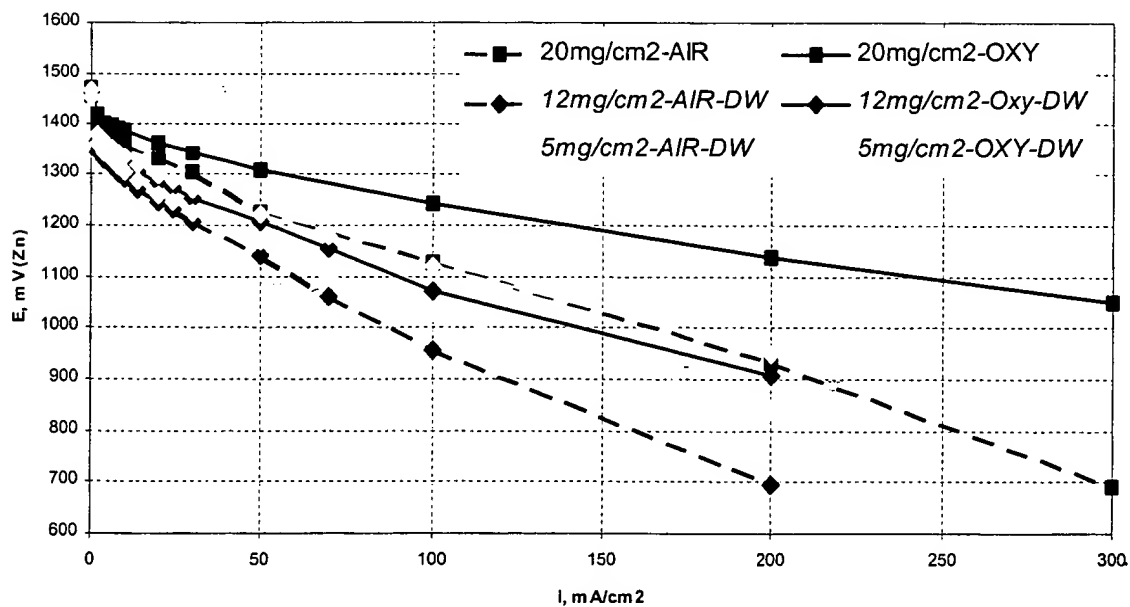
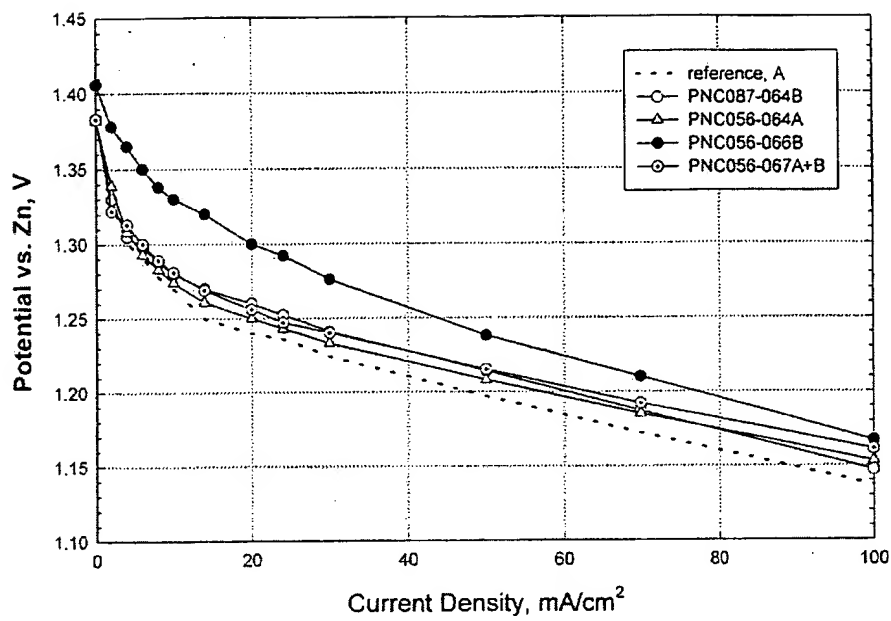
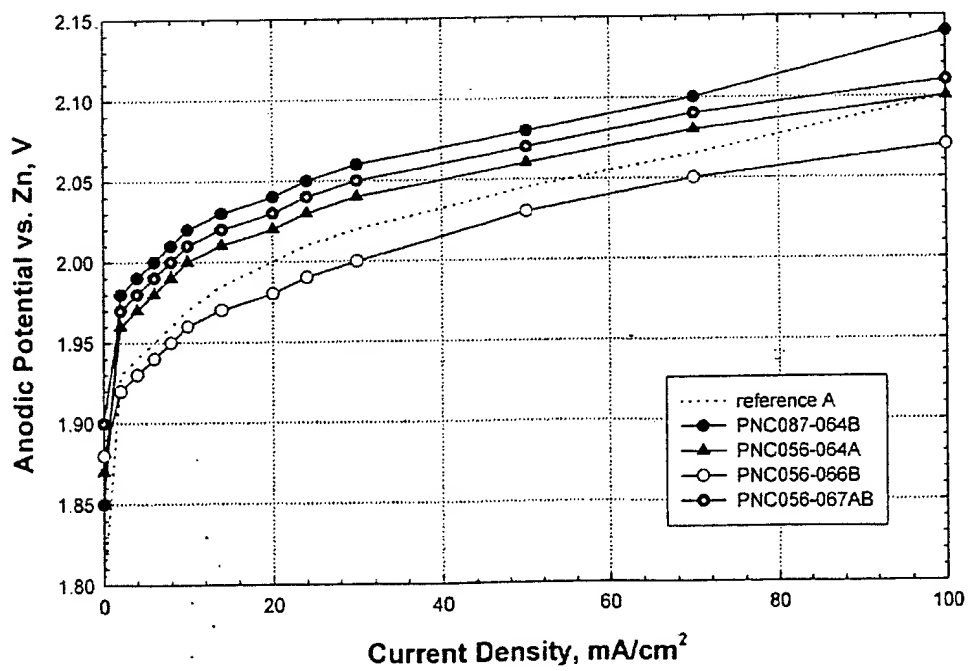


Fig. 52

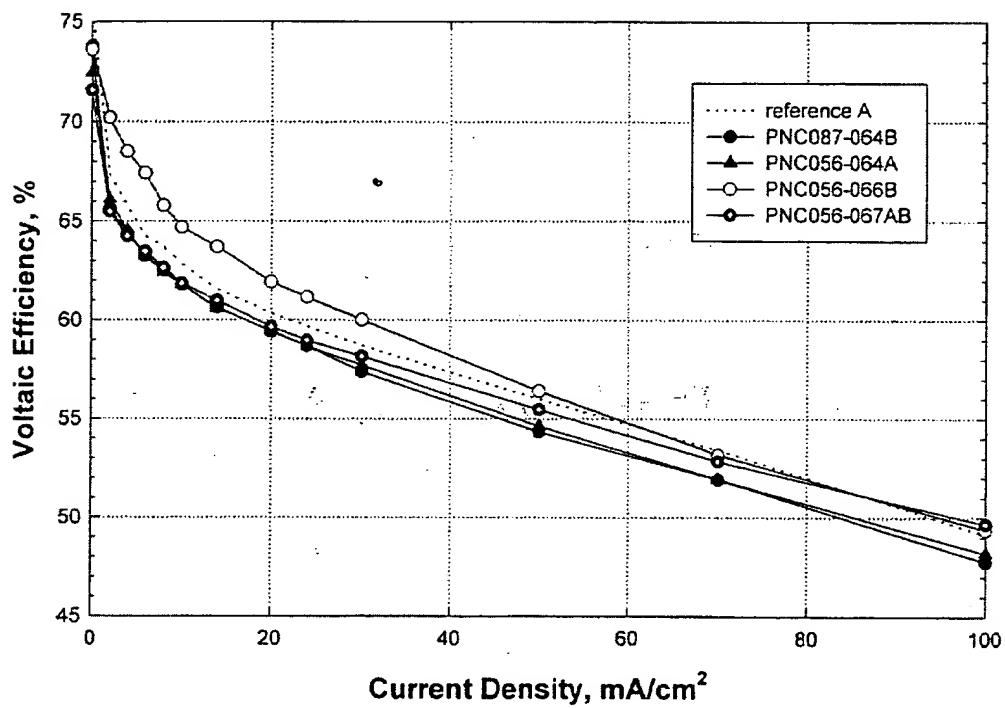


**Fig. 53**



**Fig. 54**





**Fig. 55**

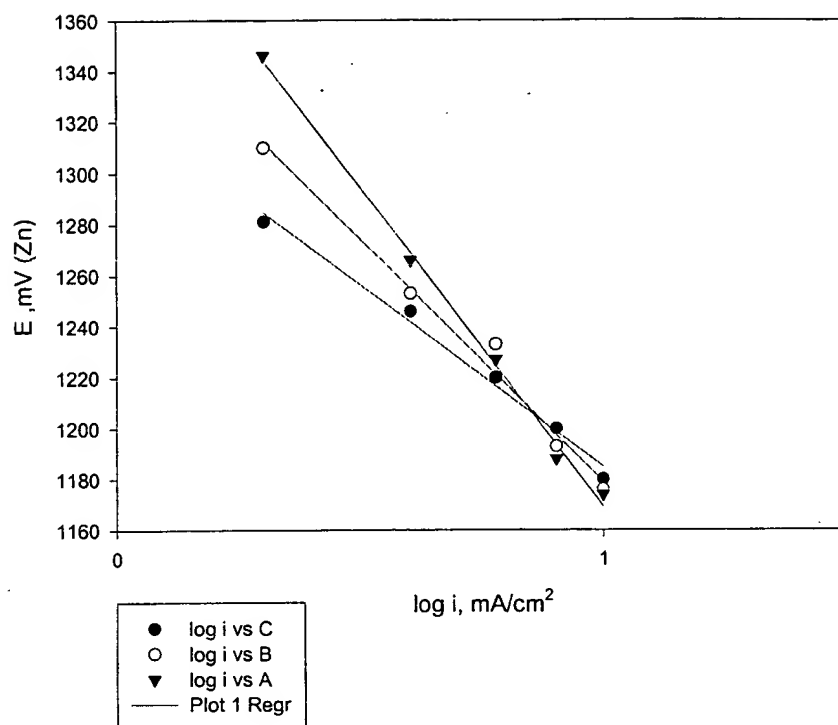


Fig. 56

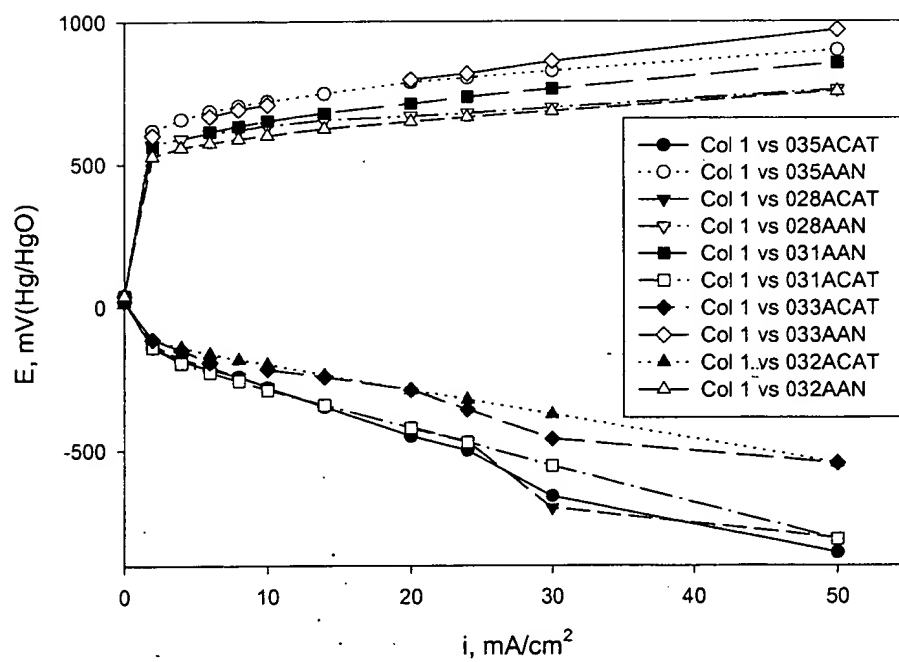


Fig. 57

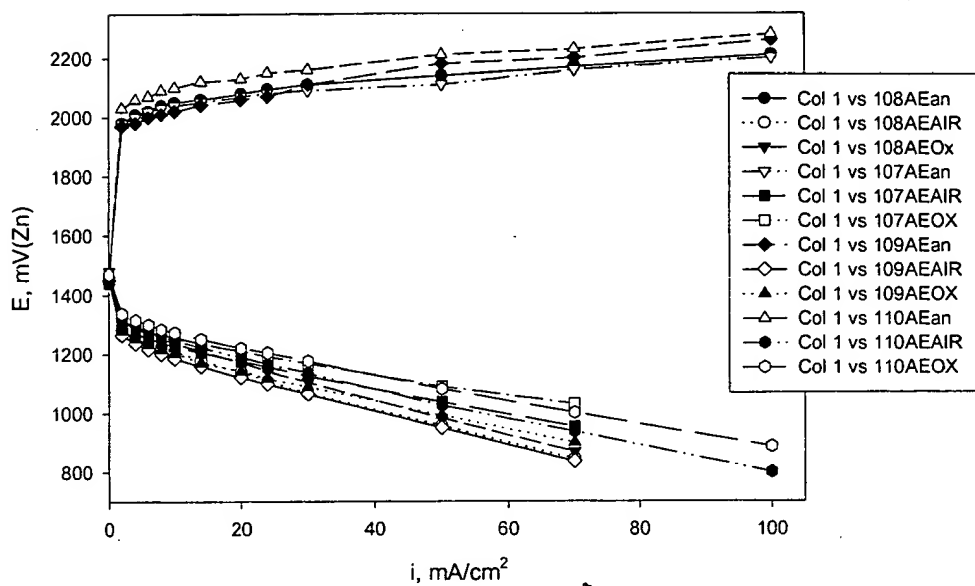


Fig. 58

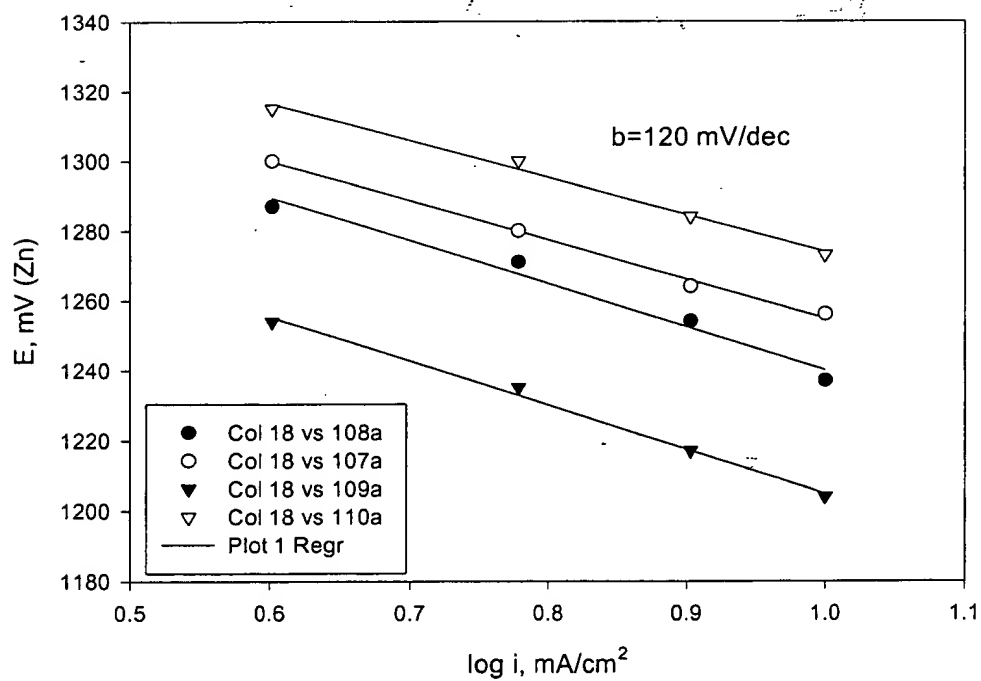


Fig. 59

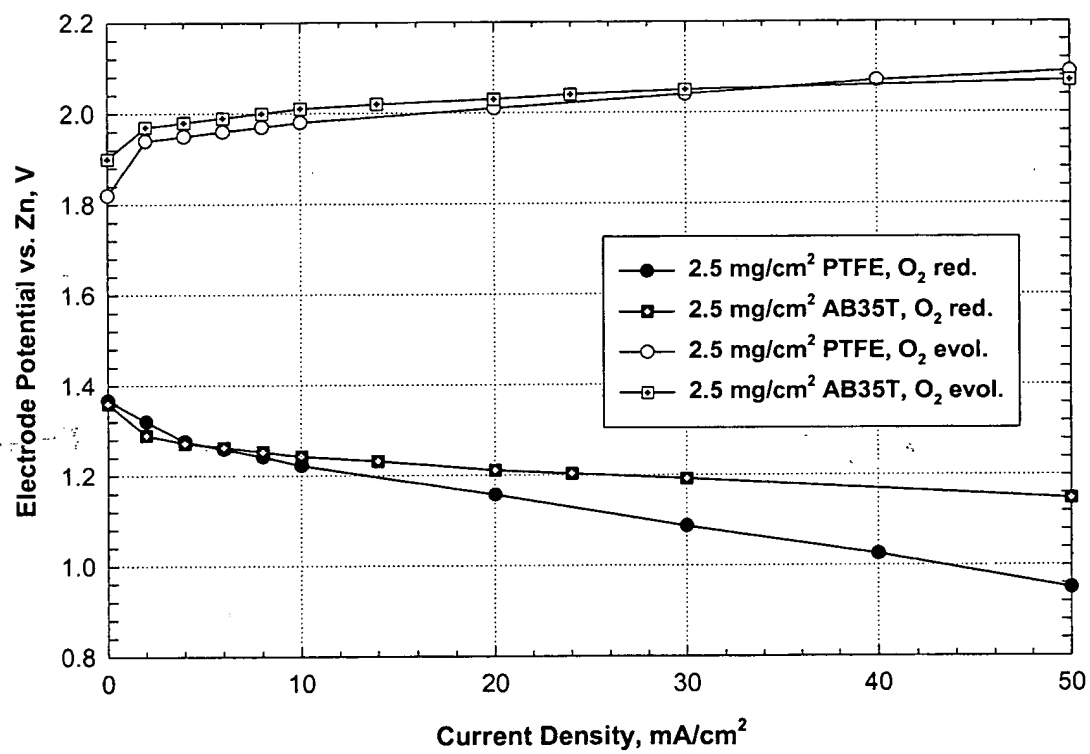


Fig. 60

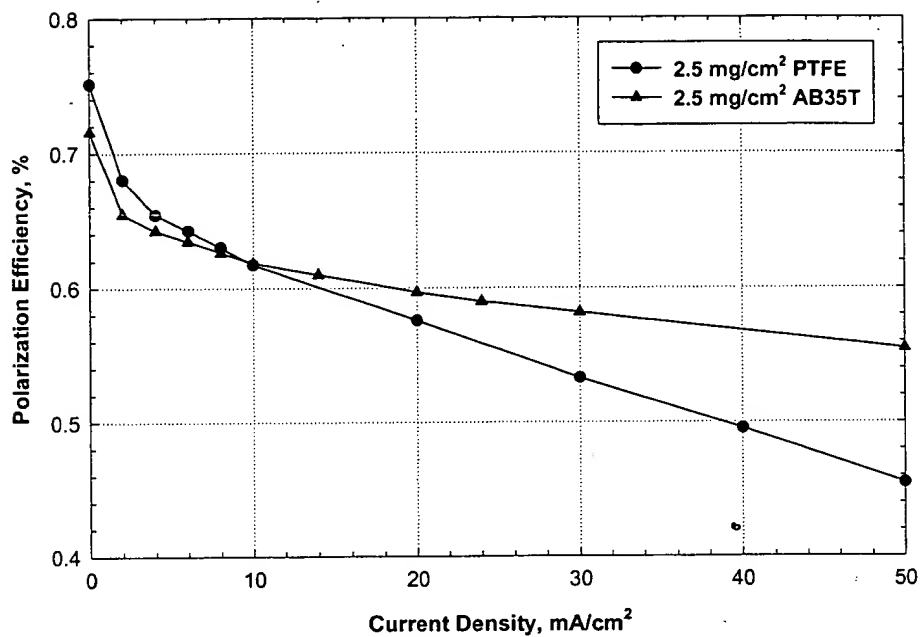


Fig. 61

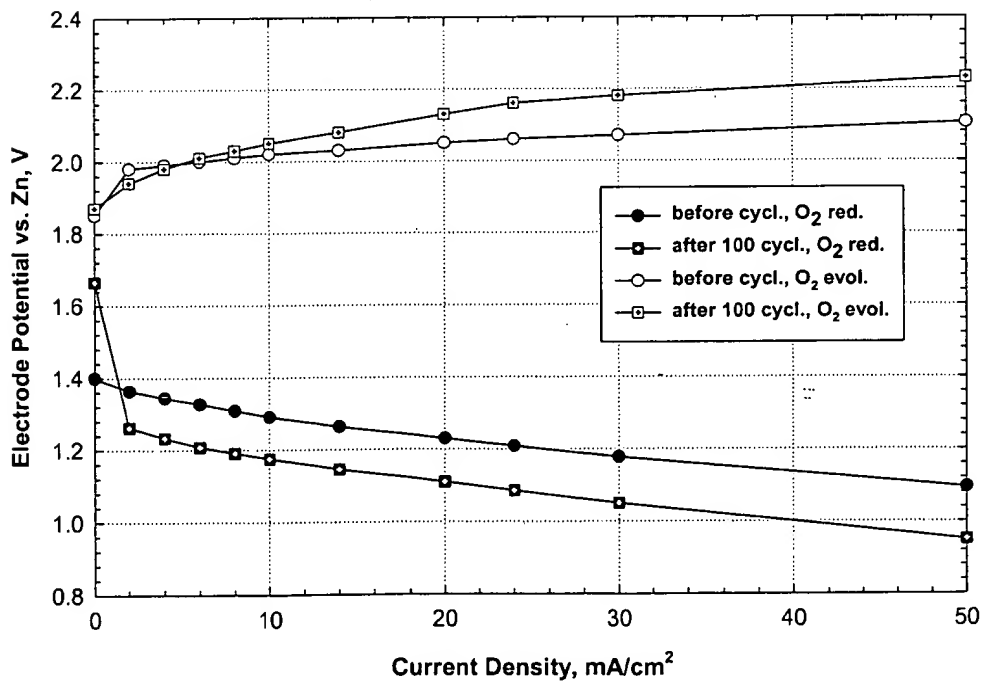
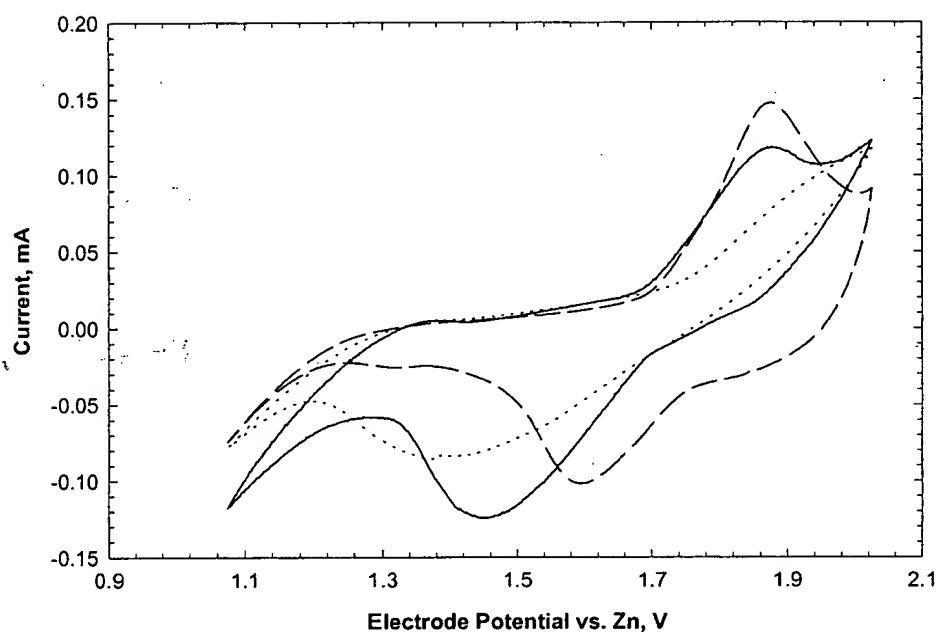


Fig. 62



**Fig. 63**

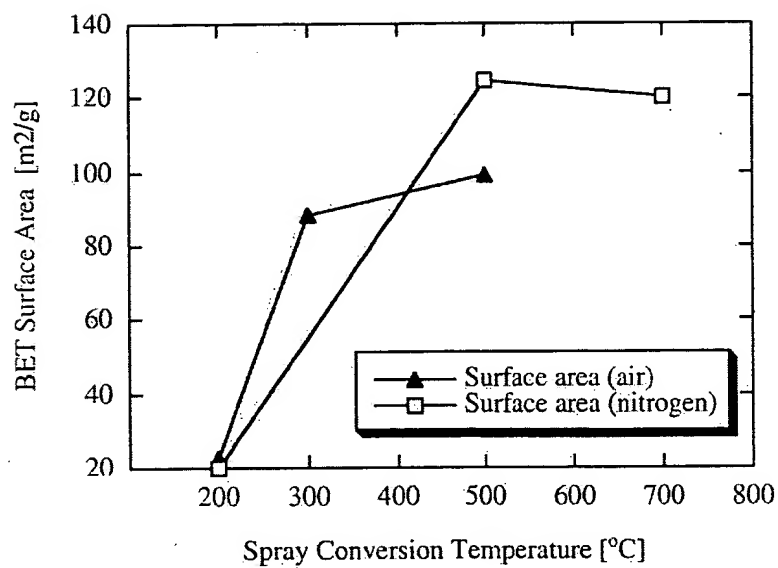


Fig. 64

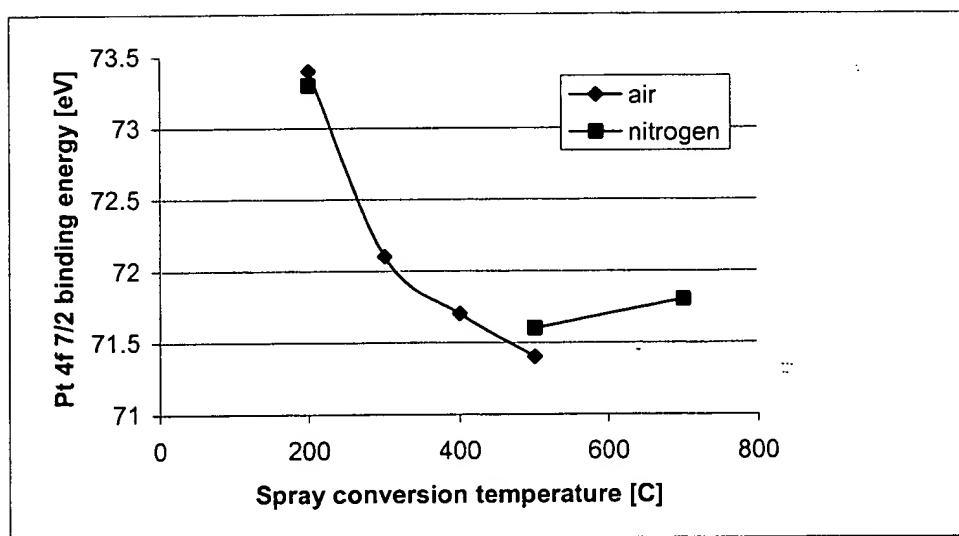


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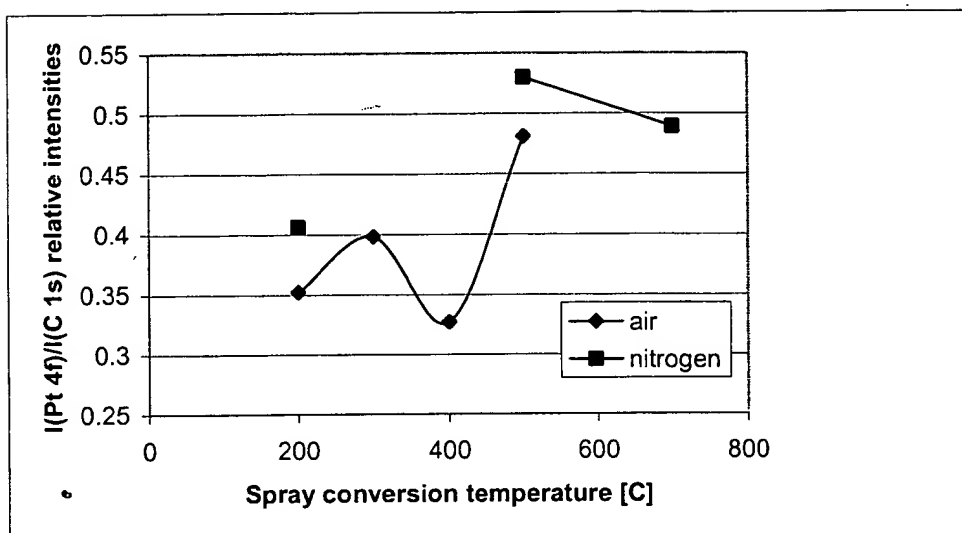


Fig. 66

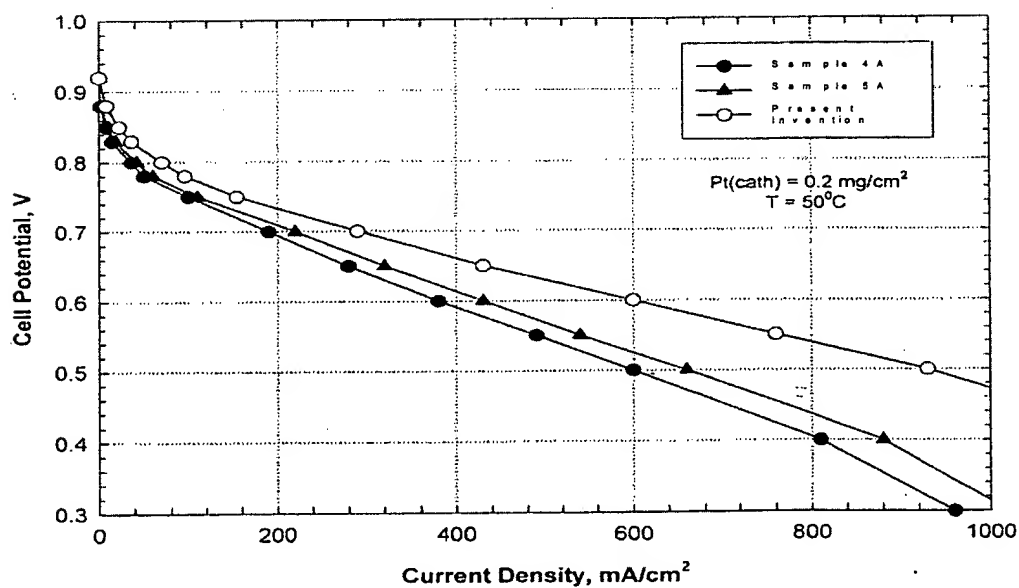


Fig. 67



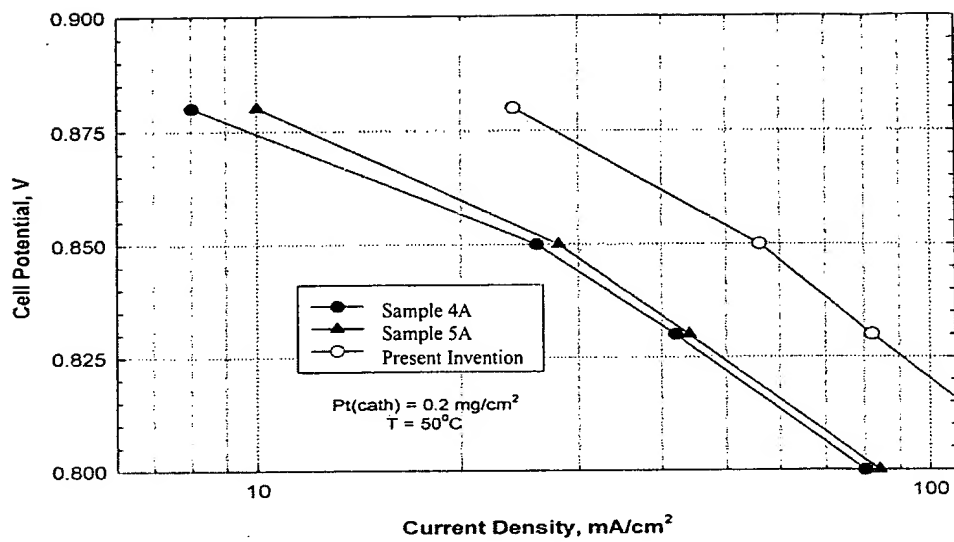


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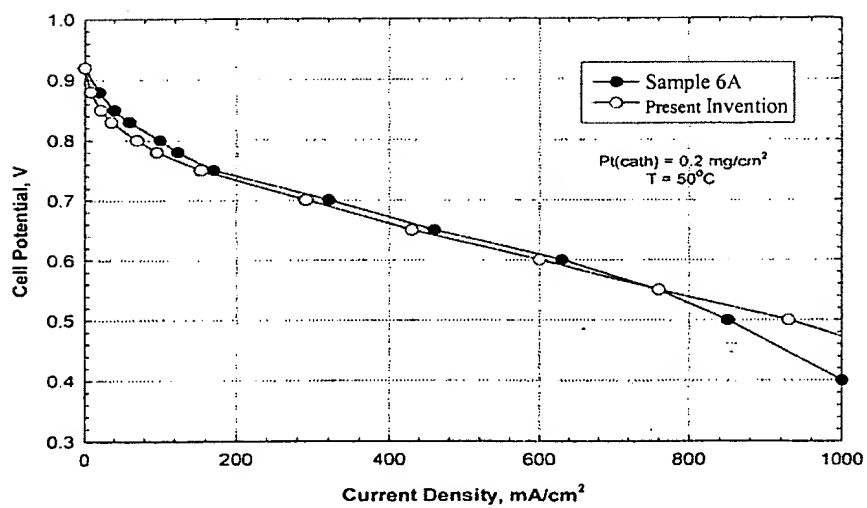


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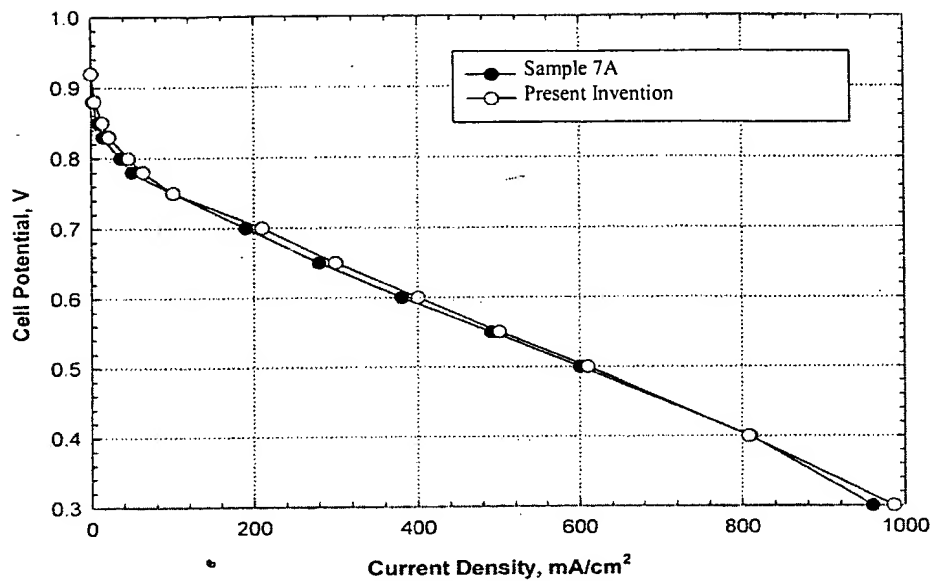


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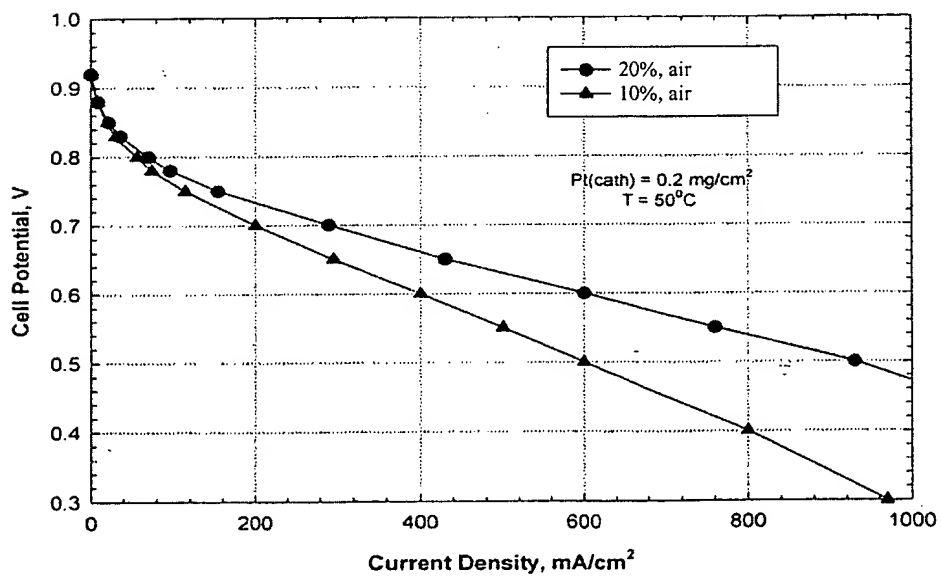


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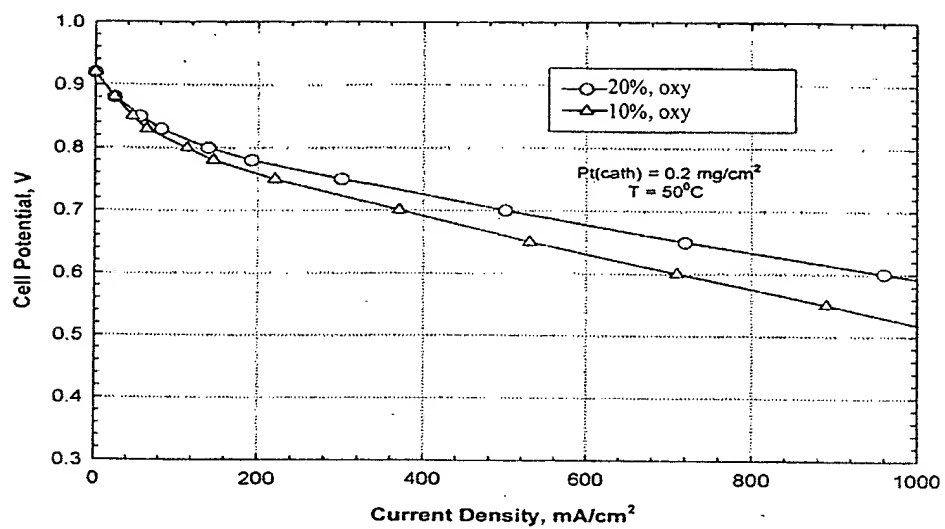


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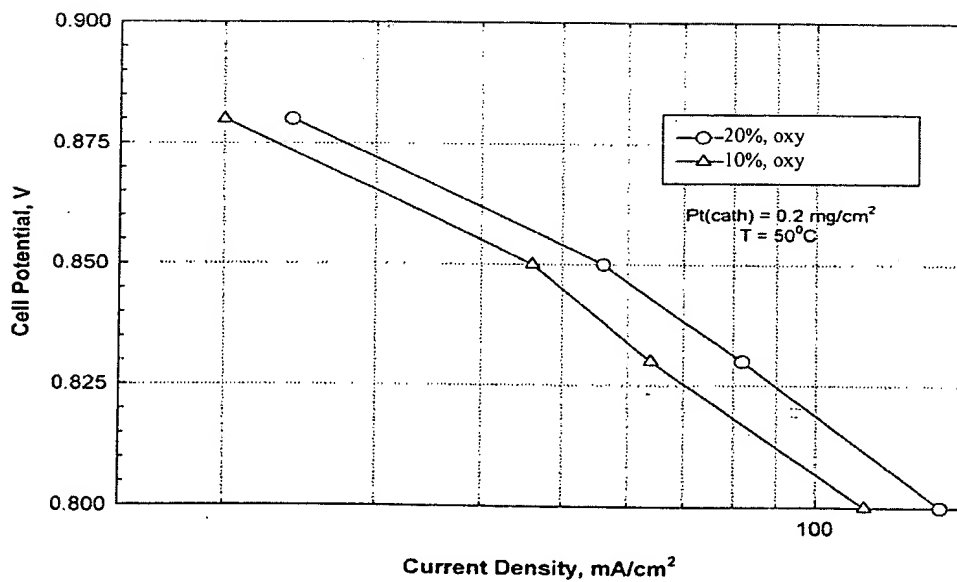
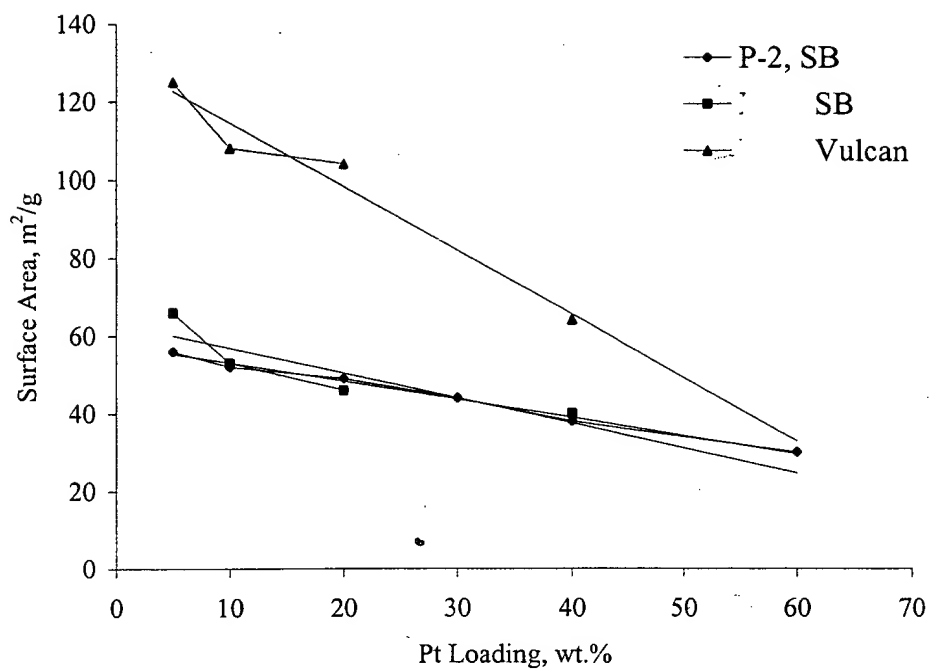
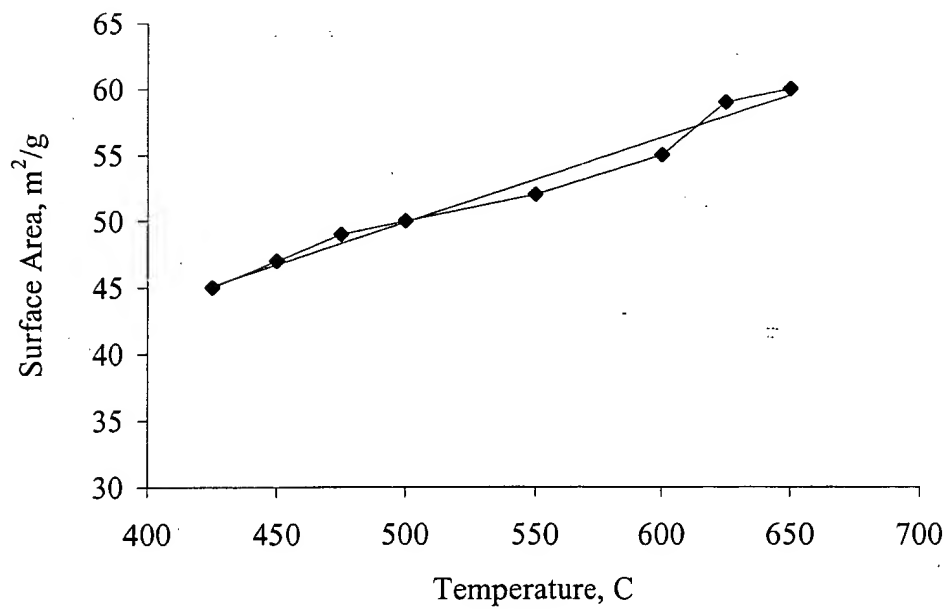


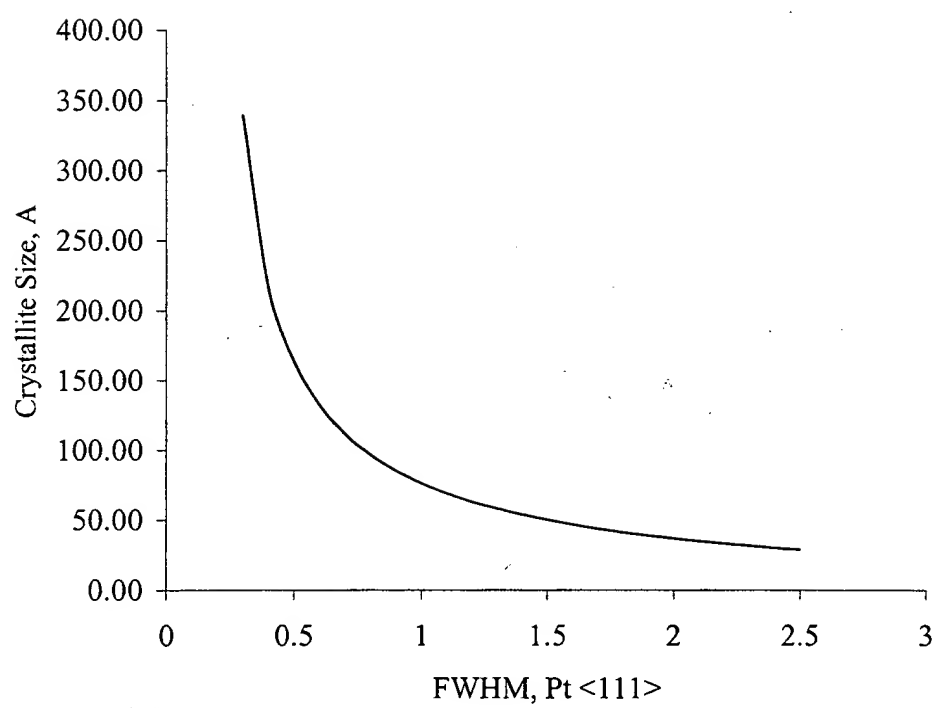
Fig. 73



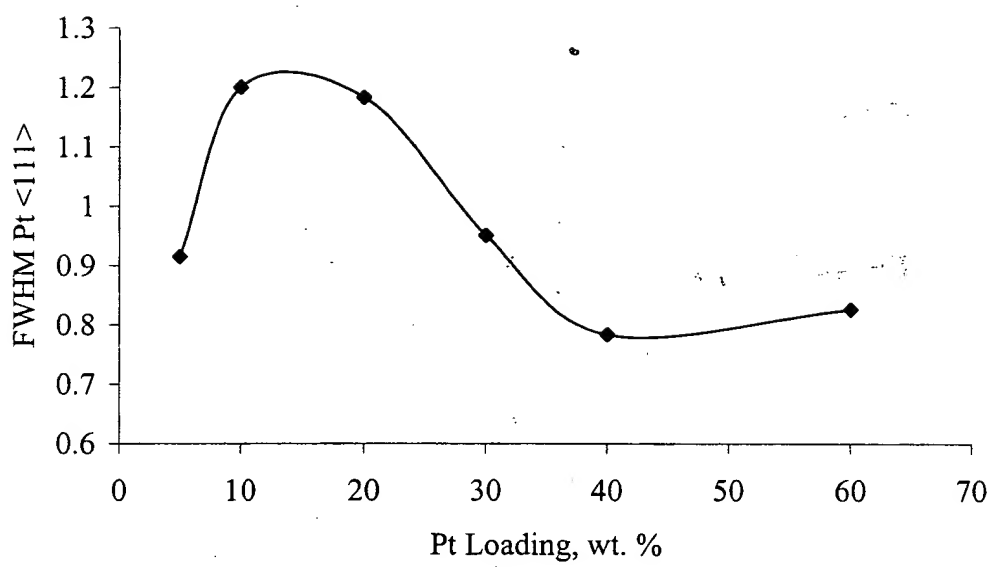
**Fig. 74**



**Fig. 75**



**Fig. 76**



**Fig. 77**

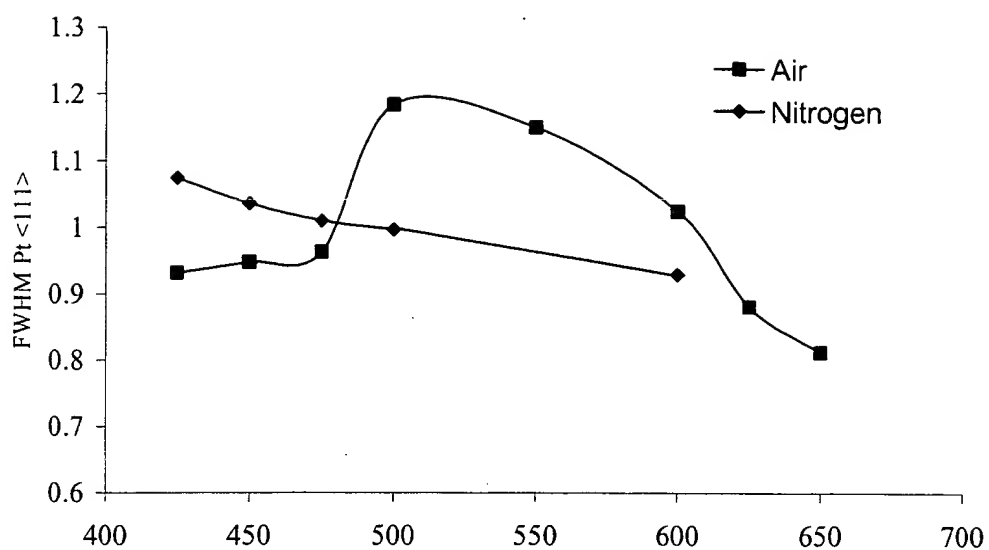


Fig. 78

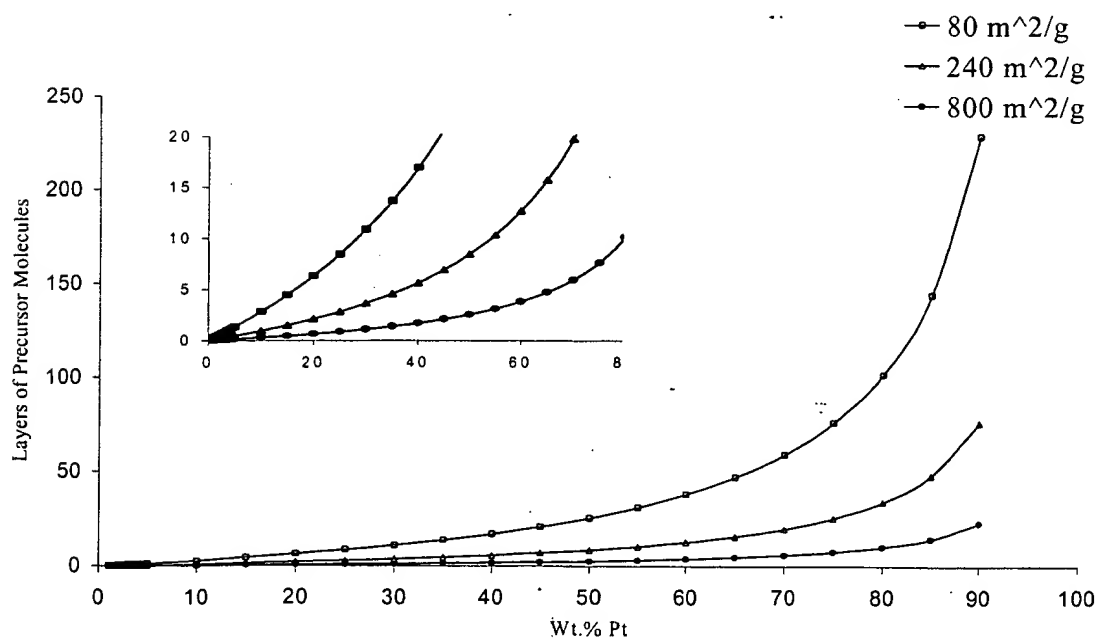
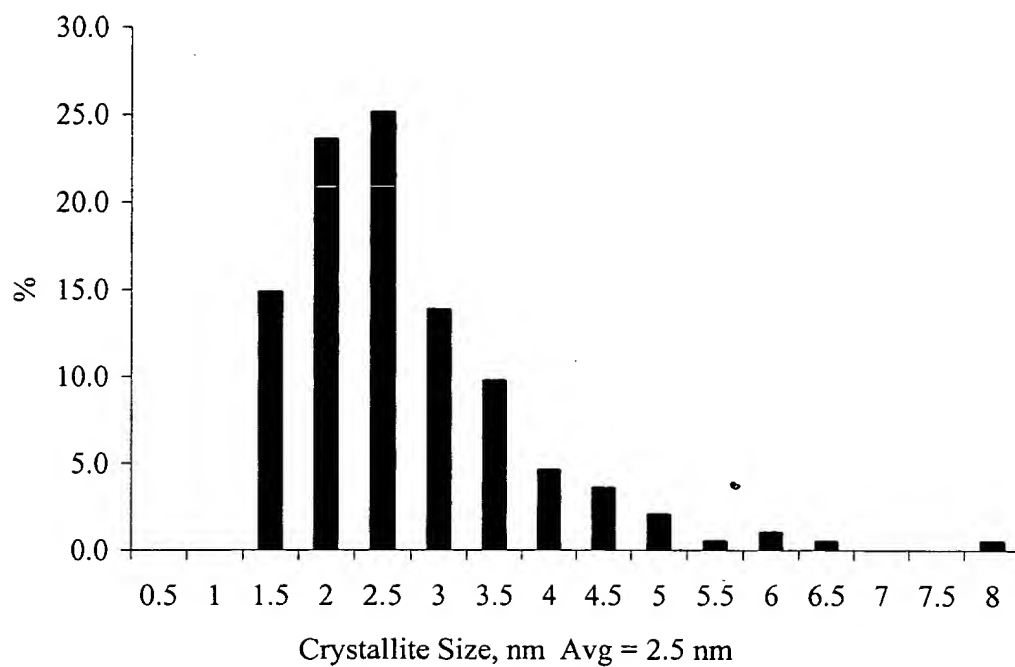
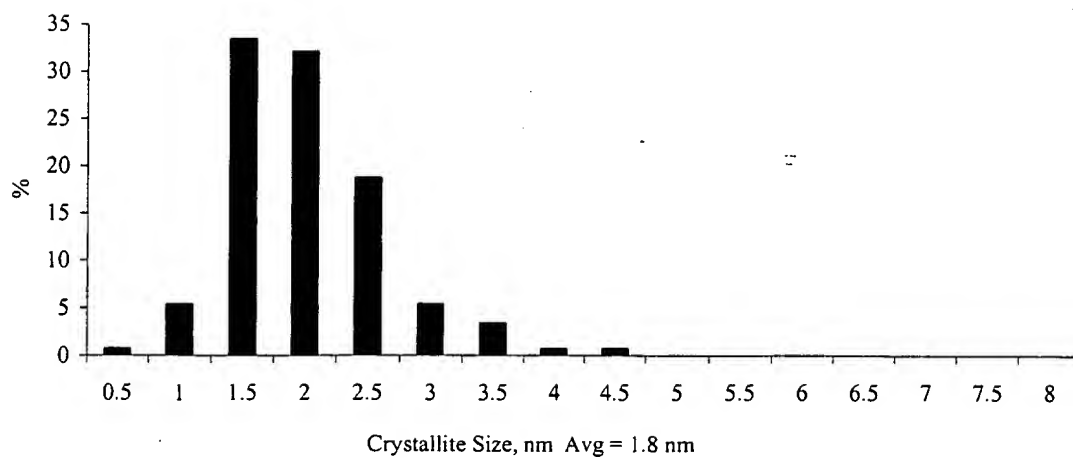


Fig. 79

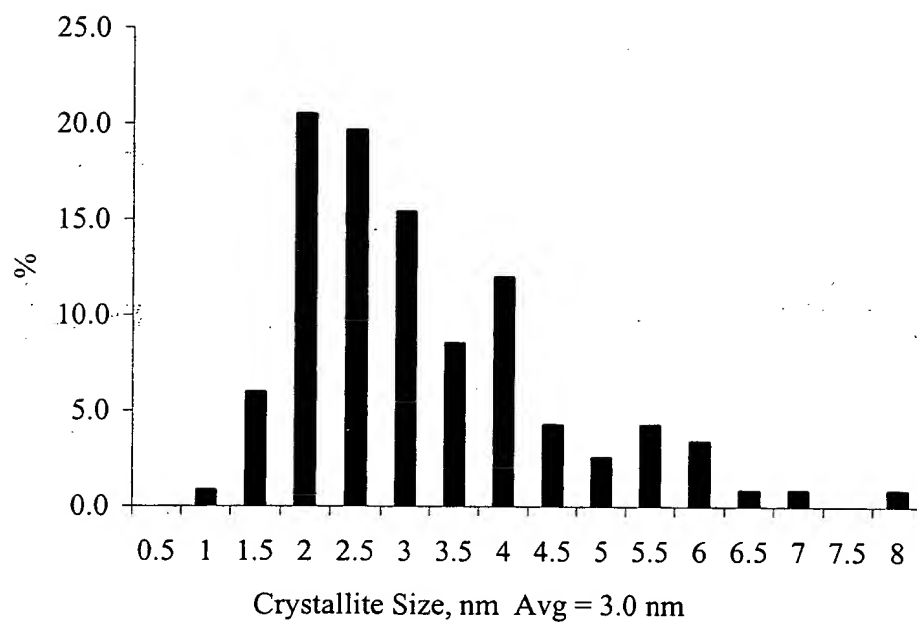


**Fig. 80**

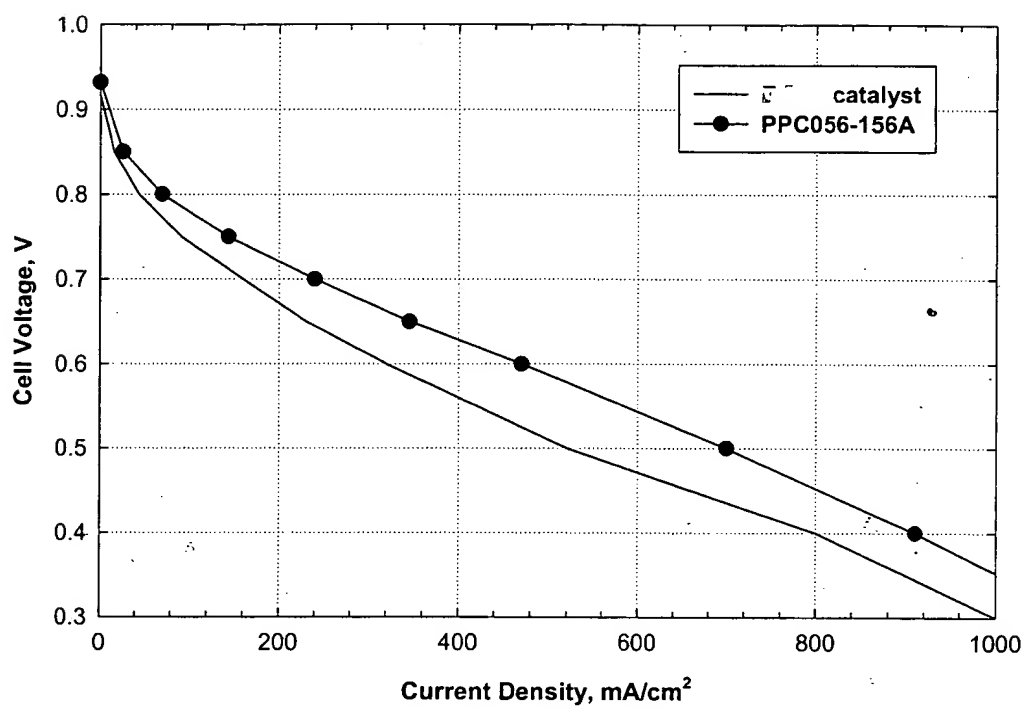


**Fig. 81**





**Fig. 82**



**Fig. 83**

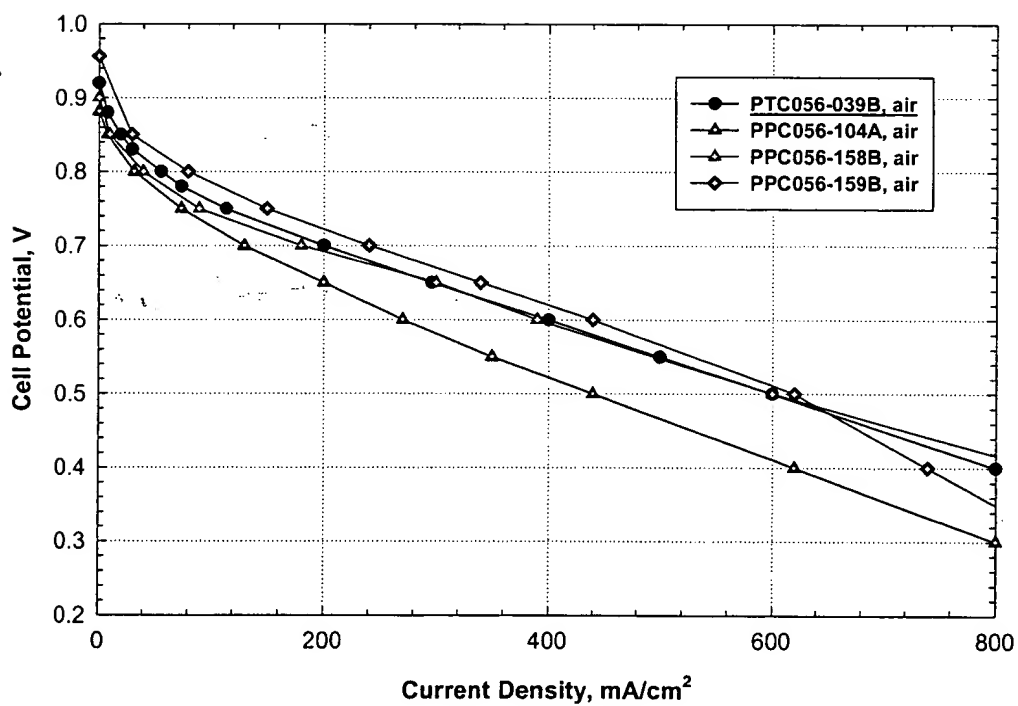


Fig. 84

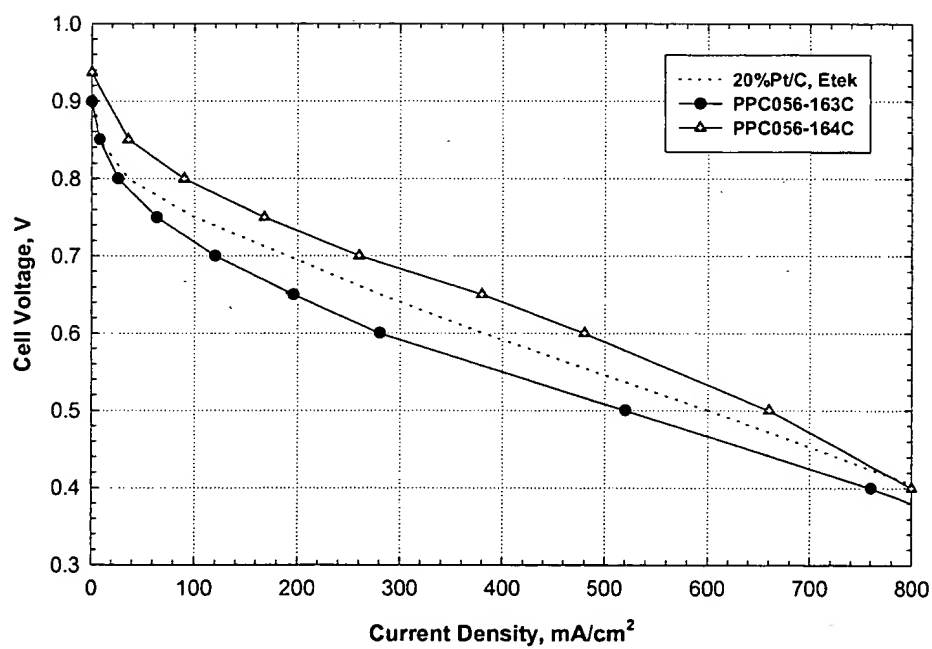
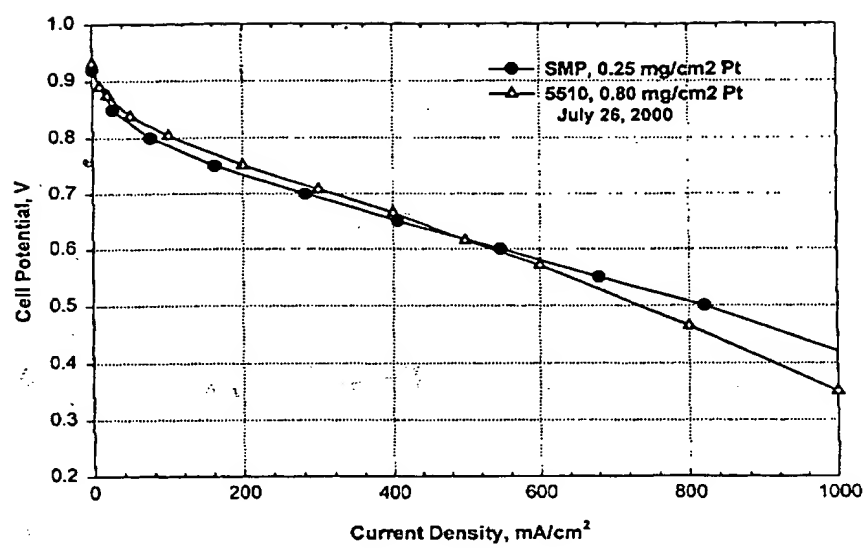


Fig. 85



**Fig. 86**

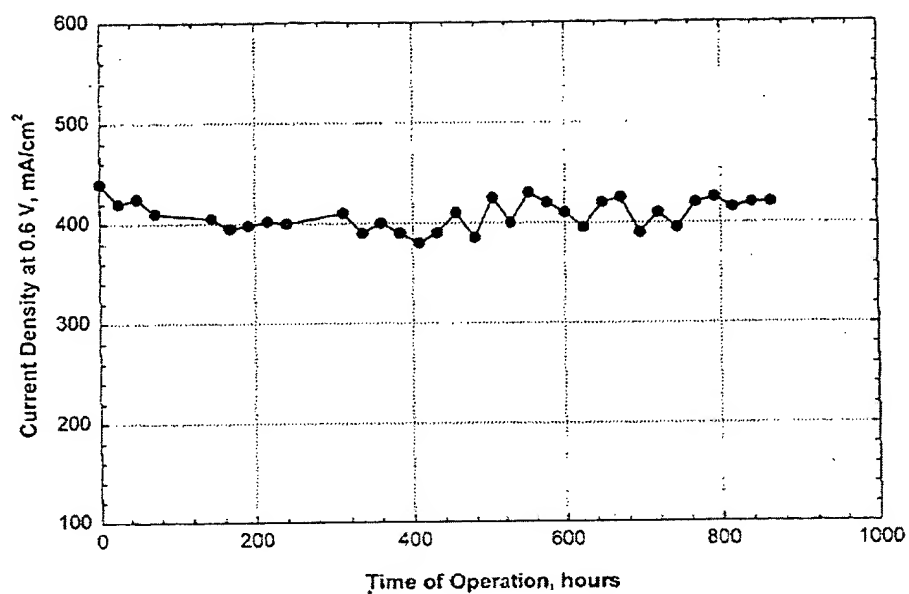


Fig. 87

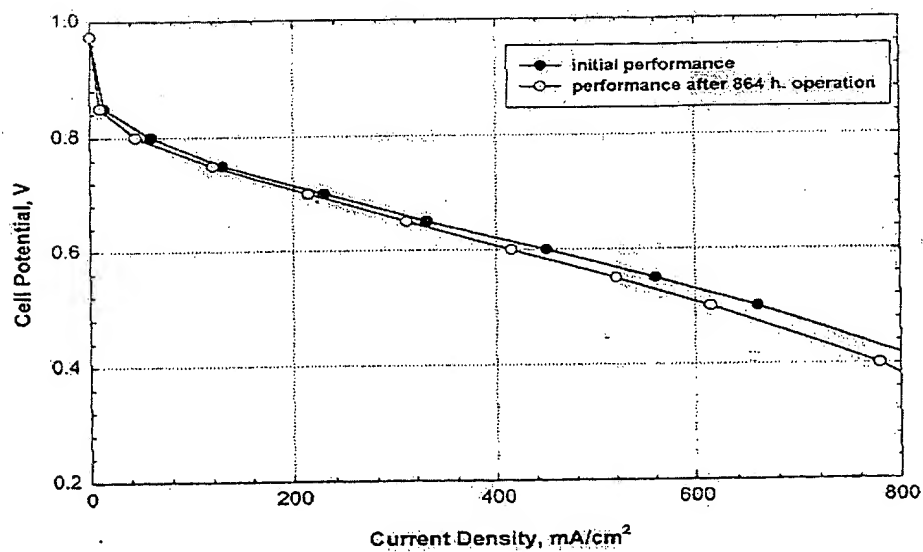
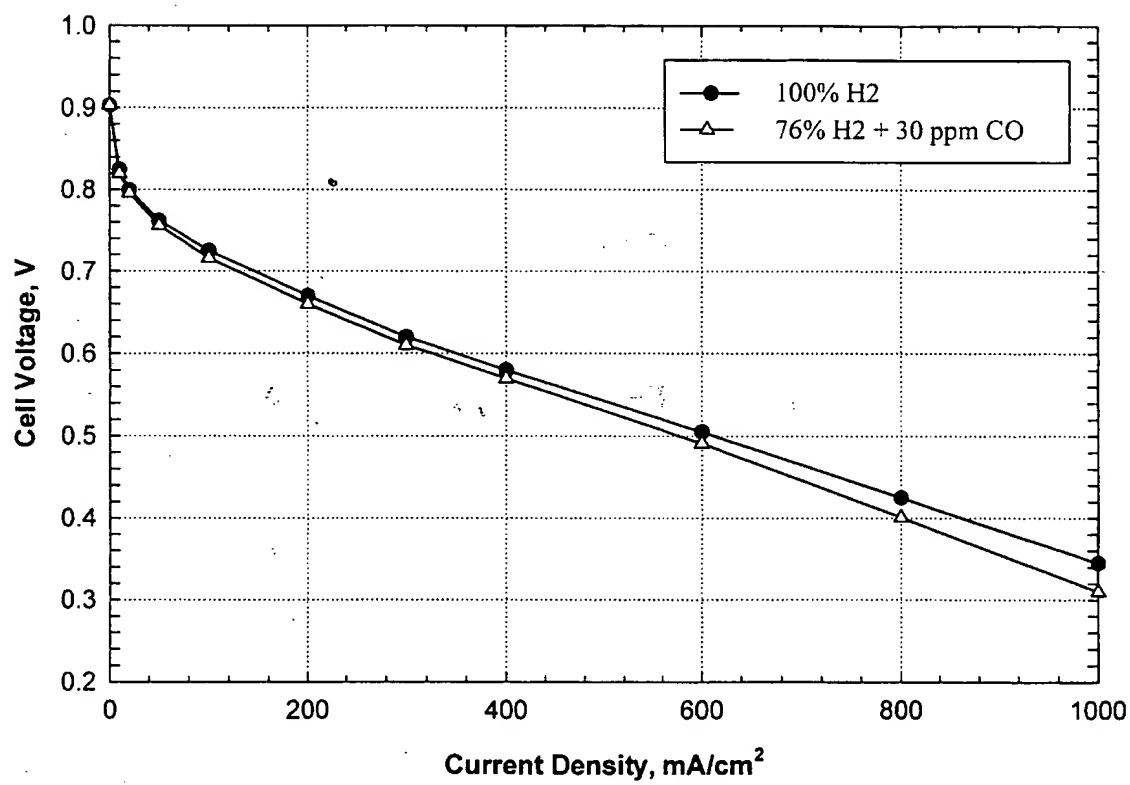


Fig. 88



**Fig. 89**

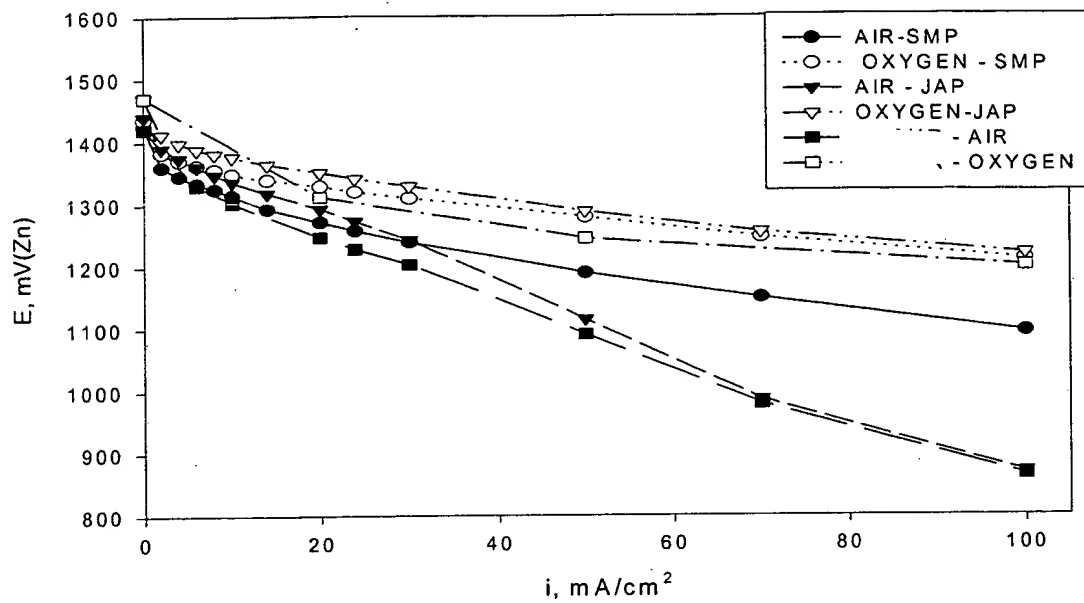


Fig. 90

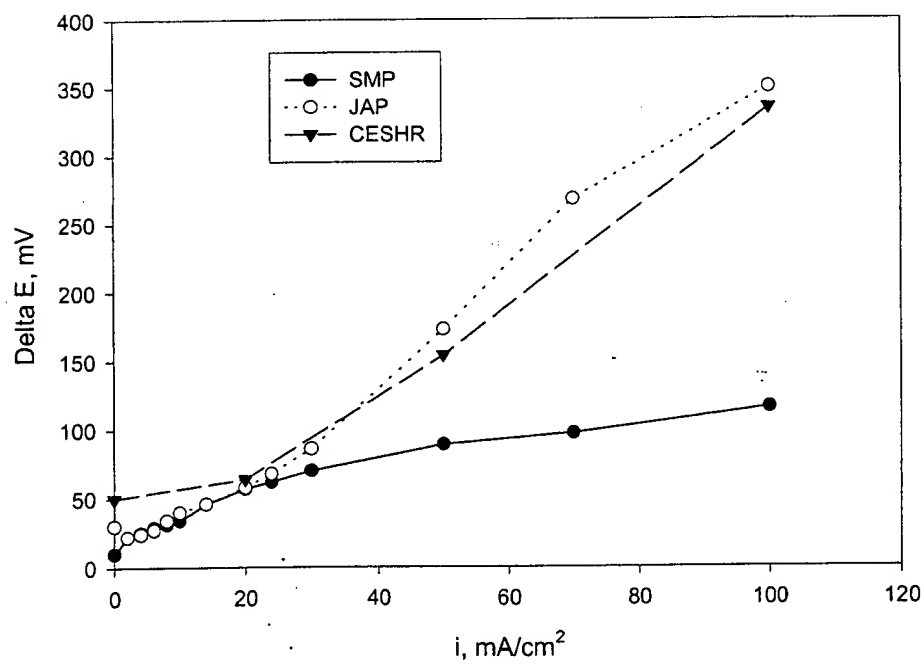
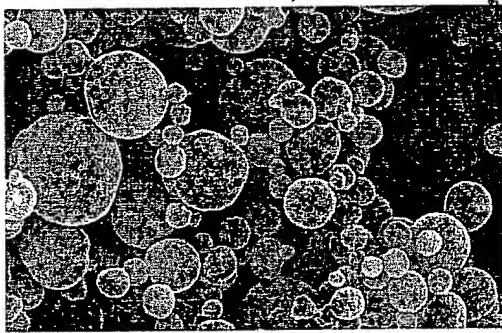


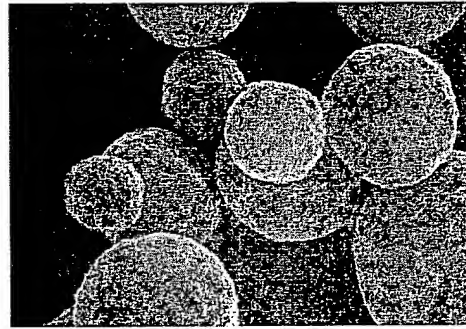
Fig. 91



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**Fig. 92**



**Fig. 93**